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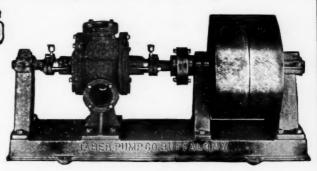
FEBRUARY 17, 1917

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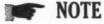
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Fig. 521
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THE

NATIONAL PROVISIONER

OFFICIAL ORGAN OF THE AMERICAN MEAT PACKERS' ASSOCIATION

PUBLISHED EVERY SATURDAY

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No. 7.

MOBILIZING MEAT AND FOOD SUPPLY FOR WAR

American Meat Packing Industry Is Ready for Instant Service

The breaking off of diplomatic relations with Germany has plunged the country into a state of apprehension as to whether we are to go to war or not. Previous plans of a tentative character in the direction of preparedness have suddenly assumed a more realistic aspect. Both military and industrial mobilization have suddenly drawn nearer in the range of possibilities. Every line of industry has been taken into consideration, and each has been studied with a view to utilizing its every resource in case of need.

None would be more important in case of trouble, and none would be as nearly ready for instant service, as the American meat packing industry. Its organization is the most thorough and efficient and its scope the most suitable for application to the country's needs in case of war.

Packinghouse products and those of allied industries will form an important unit in the systematizing and standardization of the country's commercial activities by the Advisory Commission of the Council of National Defense.

Plan of the Council of National Defense.

Each of the seven commissioners is chairman of a subdivision of investigation and classification. Julius Rosenwald, head of Sears, Roebuck & Company, the greatest mail order house in the world, is chairman of the committee on supplies, including food, clothing, etc.

Each chairman will proceed at once to get in touch with all important companies dealing in his sphere, and meetings will be held in various parts of the country. Each company so consulted will be directed to follow certain standardizations and regulations, and to deal in the future with the Advisory Commission through one man, and in no case may companies or organizations have a committee larger than three to represent them. Each chairman will appoint leading men as his committeemen, either from civil life or the government employ, as he sees fit and as circumstances warrant.

All this work, of course, is done in behalf of the national government for nothing, including the big men of the country who are members of the advisory commission. These members are Daniel Willard, president of the Baltimore & Ohio R. R.; Dr. Franklin

H. Martin, Howard E. Coffin, Dr. Hollis Godfrey, Samuel Gompers, Julius Rosenwald and Bernard Baruch.

In regard to the division of supplies, foods, etc., it is understood that Mr. Rosenwald is already in touch with the big packers in Chicago, and soon will be working closely with all the others.

Wilson Offers Aid of Meat Trade.

The meat-packing industries of America can be mobilized at once for the service of the national government, in the opinion of Thomas E. Wilson, president of Wilson & Company. Mr. Wilson sent the following telegram to President Wilson at Washington last week:

The President of the United States,

Washington, D. C. During the European war the belligerent nations have found many difficulties to overcome in industrial organizations for national service. Not only have they had to supply their armies in the field with munitions, clothing, food and other supplies necessary for their endeavors, but they have had to provide as well for the changes that war has brought about in the condition of the civilian population. It is our earnest hope that the United States government will find a peaceful solution of the present difficulties.

has brought about in the condition of the civilian population. It is our earnest hope that the United States government will find a peaceful solution of the present difficulties. At the same time I feel that I voice the sentiment of the entire meat-packing and meat food product industry in calling the attention of your excellency to the ability of such organizations to serve the government. We have an organization of men expert and experienced not only in preparing but in distributing meat food products regardless of volume or distance.

They stand ready to co-operate with the commissary departments of the army and (Continued on page 41.)

PRESIDENT DIRECTS ANOTHER FOOD INQUIRY

Federal Trade Commission to Co-operate with Agricultural Dept.

President Wilson wrote a letter last week to the Federal Trade Commission directing it to make an investigation of the whole question of food supply and distribution as it exists today in the United States. He referred specifically to the shortage of cereal and meat supplies.

He spoke also of charges frequently made concerning restraint of trade in connection with certain food products which he did not name. He directed that these charges be thoroughly investigated, and said that he would have the Department of Agriculture co-operate with the commission in ascertaining the facts.

Announcement was made later that such an investigation would cost from \$400,000 to \$500,000 and would take several years' time. It remains for Congress to appropriate the necessary funds, without which the President's orders cannot be carried out.

Following the announcement of the plan for an investigation leading meat trade interests came forward with offers to cooperate with the government to get the facts.

The attitude of the meat industry is that if such an enterprise is undertaken, it should be thorough and complete. It should settle for all time the facts regarding the organization and operation of the meat industry. The trade has been the butt of attack for many years. All manner of abuse has been heaped upon it. A final and conclusive verdict by responsible government authority

will be welcomed, so that the matter may be settled once for all.

Text of the President's Letter. The President's letter was as follows:

"An adequate supply of food products is a matter of concern to the nation at all times. It is of peculiar importance at present. Our domestic food supply is normally very large, and has become increasingly varied. In some respects it has steadily expanded, and has kept pace with the increasing population. Unfortunately, this is not true, however, of a large number of important staple products, including certain cereals, and particularly meats.

weats.

"While the population of the nation has increased 26,000,000 since 1900, the production of the two leading cereals, corn and wheat, while tending to increase, has shown only a slight advance, and that of the meat products in the same period has shown an increase of only 3,500,000,000 pounds, a decrease of 29 pounds per capita.

crease or 29 pounds per capita.

"Much can be done and is being done to change this situation through improved methods of production and through the control or eradication of plant and animal diseases. But there are problems also of distribution, and, in some respects, the problems presented in this field are the more difficult. Only recently have official agencies been created to deal systematically with this side of the difficulty. Much work has been done and, considering the limited nature of the powers under which it has been conducted, no little headway has been made, particularly in obtaining and diffusing useful information.

"Nevertheless, it is not yet clear in many directions just what the nature of the difficulty is or what measures should be adopted to effect fundamental improvements. Many necessary facts are not available, and it is questionable whether any single agency of the government at present possesses the requisite power and equipment to secure the information needed to enable both public and private instrumentalities to render their full-

est service to the people.

"It is obvious that there will be no sufficient incentive to enlarge production if there does not exist an unobstructed and econom-Unjustifiable system of distribution. fluctuations in prices are not merely de-moralizing; they inevitably deter adequate production

Allegations of Food Manipulation.

Allegations of rood manipulation.

"It has been alleged before committees of Congress and elsewhere that the course of trade in important food products is not free, but is restricted and controlled by artificial and illegal means. It is of the highest public concern to ascertain the truth or falsity of these allegations. No business can be transacted effectively in an atmosphere of suspicion. If the allegations are well grounded, it is necessary that the nature and extent of the evils and abuses be accurately determined, so that proper remedies, legisdetermined, so that proper remedies, legislative or administrative, may be applied. If they are not true, it is equally essential that the public be informed, so that unrest and dissatisfaction may be allayed.

"In any event, because of the grave public interest which the food supply affects, the efficient performance of the duties imposed upon agencies of the government requires that all the pertinent facts be ascertained. To this end, the powers of such agencies should be made adequate, if in any respect they are now deficient.

should be made adequate, it in any respect they are now deficient.
"Pursuant to the authority conferred upon me by the act creating the Federal Trade Commission, therefore, I direct the commission, within the scope of its powers, to investigate and report the facts relating to the production, ownership, manufacture, storage and distribution of foodstuffs and the products or by-products arising from or in conjection with their preparation and manufacture. rection with their preparation and manufac-ture; to ascertain the facts bearing on al-leged violations of the anti-trust acts, and particularly upon the question whether there are manipulations, controls, trusts, combina-tions, conspiracies, or restraints of trade out of harmony with the law or the public in-

I am aware that the commission has additional authority in this field through the power conferred upon it to prevent certain persons, partnerships, or corporations from using unfair methods of competition in com-merce. I presume that you may see fit to exercise that authority, upon your own initiative, without direction from me.

Agricultural Department to Help.

"The Department of Agriculture has been engaged for several years in studying problems of distribution. I have noted that it has been proposed in the Congress to add to the funds of the department and give it larger powers to conduct its investigation. As its activities will touch phases of the problem I am calling to your attention, which may not be covered by your inquiry, and may furnish information of great importance for the purposes contemplated, I shall direct that department to co-operate with you in this outerprise. with you in this enterprise.

"For the adequate prosecution of the inquiry by both your commission and the Department of Agriculture, it is essential that sufficient funds be available. I accordingly request that you furnish me at the earliest possible moment an estimate for an appro-priation, if one is needed, to supplement exsting appropriations, to enable you successfully to carry out the investigation.
"A copy of this letter is being sent to the

Secretary of Agriculture, with the direction that his department co-operate with you, and with the request that he furnish an estimate for the funds needed by his department."

Packer's Offer to Help.

President Louis F. Swift, of Swift & Company, on Monday telegraphed to the Federal Trade Commission an offer of assistance in making the investigation. His telegram reads:

Hon. Wm. J. Harris, Chairman, Federal Trade Commission, Washington, D. C.

I have seen in the newspapers President Wilson's letter addressed to you, directing an inquiry into the cost of foods. I wish Swift & Company will be freely open to the commission and to its representatives, and that the officers and employees of the company will, upon your request, be pleased to furnish the commission with any and all information in its possession in reference to that part of the business under investigation

ith which the company has to do.

I especially think that the commission hould endeavor to ascertain the reason for the failure of the production of livestock to keep pace with the increase in population. I respectfully suggest that any investigation of this question as regards meat must, in order to be thorough, cover the entire industry from the calf to the table.

LOUIS F. SWIFT. condition of fresh beef held in cold storage at temperatures above freezing, the wholesomeness of such meat must be judged by other considerations besides the length of time during which the product has been stored. The important factors besides length of storage are temperature, humidity, and the character of the beef.

The usual commercial practice when freezing is not employed is to hold beef at temperatures between 34 degs. and 36 degs. F. Forty degrees has been found to be about the upper limit of safety. The lower the temperature, in general, the longer the meat can be kept in good condition. Beef also can be kept satisfactorily for longer periods, the recent experiments showed, when the humidity of the storage rooms is low.

In the studies and experiments, beef was held in cold storage at temperatures above freezing in the experimental cooler of the bureau for as long as 177 days, or approximately six months, apparently without appreciable deterioration of the lean meat. In a modern packinghouse cooler, where the humidity was much greater than in the experimental cooler, it was possible to hold beef in storage in satisfactory condition for 55 days. Unfrozen beef, however, usually is not held for longer than six weeks, and where the better commercial practices prevail no undesirable changes take place.

The carcasses of highly-finished animals can be kept in good condition longer than those of poorly-finished animals. One of the conditions which contributes to the better keeping qualities of finished carcasses is their protecting outer layer of fat, which becomes firm in cold storage and affords resistance to bacterial invasion.

4 HORMEL WINS MEAT RATE CASE.

Ordering a realignment of rates on fresh meats and packinghouse products from points in Minnesota to destinations east of the Indiana-Illinois State line, the Interstate Commerce Commission last week entered a decision upon the complaint of George A. Hormel & Company, of Austin, Minn., against the Chicago Great Western and other

The commission held that the rates from Austin to Eastern destinations are not unreasonable. On the other hand, it was held that the adjustment of rates has been shown to be unjustly discriminatory; that the rates from Austin to points and the Eastern destinations should for the future be no higher than those contemporaneously maintained on the same articles from Mason City, Iowa, and that the rates from Albert Lea, Minn., should not be more than one-half a cent higher than from Austin. This discrimination was ordered to be removed by April 16, next.

-00-MEAT PRODUCTION IN RUSSIA.

Interest in cattle raising in Russia is constantly on the increase, and the Russian-American Chamber of Commerce in Moscow is helping a number of co-operative societies in North Russia to develop this industry. The Russian-American Chamber of Commerce is also interested in the development of the meat packing industry in that country, and is working through the American-Russian Chamber of Commerce in New York, with offices at No. 60 Broadway.

CHANGES IN FRESH BEEF DURING COLD STORAGE

Government Investigation Shows That Age Improves the Meat

The chemical changes that take place in lean beef held in storage under the best commercial practice at temperatures above freezing are without appreciable effect, either upon the nutritive value or the wholesomeness of the edible portions, according to meat specialists of the United States Department of Agriculture. This and other conclusions of the Department's meat specialists in regard to the effects of cold storage of beef above freezing are set forth in a recently published professional paper of the United States Department of Agriculture, Bulletin No. 433.

The chemical changes which took place in the beef subjected to the experiments and observations were found to be due in the main to ferments, and only to a very small extent to the action of bacteria. The ferments are substances present in the meat which are similar in nature to some of the constituents present in digestive fluids. The changes, therefore, resulted chiefly from a kind of auto-digestion.

One of the principal effects of storage upon the properties of the beef was a marked increase in tenderness. The studies showed. however, that this tenderness could not be attributed to bacterial action. While the flavor also changed somewhat, individuals probably would not agree as to whether the change was desirable or undesirable.

The investigations of the specialists included an examination into the "ripening" of beef. Though the changes in all beef held even for short periods may be said to result from a "ripening" or "aging" process, the term is applied especially to beef held for considerable periods at temperatures above freezing. Even in the case of such ripened meats it was found that bacteria penetrated only a very slight distance beneath the surface.

Because a number of factors influence the

MEAT SITUATION IN THE UNITED STATES

Production, Consumption and Prices as Shown by Statistics

By George K. Holmes, U. S. Bureau of Crop Estimates.

(Continued from last week.)

[EDITOR'S NOTE.—This report, the most important result of the appointment of the Galloway Commission several years ago, was summarized in a recent issue of The National Provisioner. Showing, as it does, that meat production has not kept pace with consumption, it will be of the greatest interest to producers and consumers alike.]

PRODUCTION OF MEAT-GERMANY.

On account of the slaughter and inspection law of 1904, the German official records, supplemented by a fraction of estimates for farm slaughter, supply reasonably accurate annual statistics of meat production, beginning with that year. It is supposed that extra-edible parts are not included.

In the first year of the record, 1904, Germany produced 6,334,000,000 pounds of beef, mutton and pork, and the quantity declined to 6,182,000,000 pounds in 1906. From this quantity the production jumped to 6,712,000,000 pounds in 1907, followed by an increase to 7,180,000,000 pounds in 1911. Then followed a decline to 6,879,000,000 pounds in 1913, or very nearly the production of 1908 and 1910. Germany reached the highest meat production ever attained by that country in 1911.

Beef and Veal.

A condition that first attracts attention is the relatively high calf slaughter. In every year more calves have been slaughtered for veal in Germany than mature cattle for beef. For instance, in 1913 the cattle, except calves, that were slaughtered for meat numbered 3,592,000, and the veal calves numbered 4,-176,000.

The beef and veal production of Germany amounted to 2,262,000,600 pounds in 1904, excluding condemned meat, and the quantity increased to 2,732,000,000 pounds in 1909, after which there was a decline to 2,322,000,000 pounds in 1913, a return nearly to the production of 1904.

The number of cattle and calves slaughtered for meat increased from 7,787,000 in 1904 to 9,456,000 in 1909, and afterwards declined to 7,768,000 in 1913.

The production of beef, excluding veal, increased from 1.878,000,000 pounds in 1904 to 2.271,000,000 pounds in 1909, and afterwards declined to 1.955,000,000 pounds in 1913,

It is interesting to note that, of the total number of cattle and calves killed for meat, the mature cattle were under 44 per cent in 1904, under 45 per cent in 1909, and were over 46 per cent in 1913. That is to say, the calf slaughter was relatively decreasing, not only during the period of increasing meat production but also during its decline.

In 1913, 4,176,000 veal calves were slaughtered in Germany, or a smaller number than in 1904 or any subsequent year. As many as 5,239,000 veal calves were slaughtered in 1909, a high-watermark year.

The veal production of 1913 was 367,000,000 pounds, or less than in 1904 or any following year.

Mutton, Lamb, Pork and Other Meat.

The mutton, including lamb, production of Germany in 1904 was 140,399,000 pounds, and in subsequent years the quantity went as high as 148,592,000 pounds in 1909, and as low as 126,135,000 pounds in 1913, which is

distinctively a low-water mark for the period. Mutton production has declined since 1909 at a marked rate.

The slaughtered sheep and lambs numbered 2,897,000 in 1904, 3,066,000 in 1909, and 2,602,000 in 1913.

The swine slaughter of Germany is an important source of meat. The slaughter of 1904 included 20,999,000 hogs, increased to 24,411,000 in 1911, and afterwards declined to 23,666,000 in 1913.

The quantity of pork produced ranged from 3.931,000,000 pounds in 1904 to 4,571,-600,000 pounds in 1911, followed by a decline to 4,431,000,000 pounds in 1913.

Germany accepts horse meat and sells it as such, and similarly handles goat meat, and even dog meat.

About 1,200,000 goats are slaughtered annually, about 150,000 to 175,000 horses, and from 6,000 to 8,000 dogs. These three classes of animals provide an appreciable addition to the beef, mutton and pork supply of that country. In 1904 they equaled 104,000,000 pounds, and the quantity gradually grew to 134,000,000 pounds in 1912, but the quantity for 1913 fell to 126,000,600 pounds.

As Percentages of Their Total.

Beef, mutton and pork combined being regarded as 100, the beef including veal produced in Germany in 1904 was 35.9 per cent. The increase in the next year was to 39.2 per cent, and with fluctuations to 39.6 per cent in 1909, after which year the decline has been steady to 33.9 per cent in 1913.

In 1905, the mutton produced was 2.4 per cent of the total of these three classes of meat, and the percentage has steadily and persistently declined to 1.8 per cent in 1913.

On the other hand, pork has surely although irregularly gained in relative importance. The pork production in 1905 was 58.4 per cent of the total of these three classes of meat, and in 1913 it was 64.3 per cent.

It should be borne in mind that these percentages stand for relative production and not for consumption.

ITALY.

A thorough investigation of the slaughter of meat animals for food was made in 1903 in every commune in Italy, by the director general of public health. It was found that during the year about 1,500,000 cattle and calves were slaughtered, with a beef and veal production of over 972,000,000 pounds. The 4,300,000 sheep produced over 129,000,000 pounds of mutton and lamb; and the 1,500,-000 slaughtered swine produced over 406,000,-600 pounds of pork. There were besides nearly 5,000,000 pounds of unclassified meat. The total of beef, mutton and pork production amounted to 1,511,000,000 pounds. This production is for a population of 33,000,000, a large fraction of which is engaged in agriculture.

UNITED KINGDOM.

In the second report, November 17, 1903, of "the committee appointed to inquire into the statistics available as a basis for estimating the production and consumption of meat and milk in the United Kingdom," ap-

pointed by the Royal Statistical Society, the details of estimating the annual slaughter of meat animals are presented. The adopted process has been used to estimate the annual meat production and consumption of the United Kingdom from 1890-91 to 1907-8.

According to the estimates, the meat production of the United Kingdom, notwithstanding a sharp fluctuation or two, has remained quite steady at about 2,700,000,000 to 3,000,000,000 pounds annually. During the 18 years, from 1890-91 to 1907-8, the highest production—about 3,000,000,000 pounds—is found in the two years 1891-92 to 1892-93, but during the subsequent years of the period the production was from 2,700,000,000 to 2,900,000,000 pounds

Beef and Veal.

During the two years 1892-93 and 1893-94 the production of beef and veal was exceptionally high, or nearly 1,700,000,000 pounds in each year, but subsequently the production has ranged from about 1,400,000,000 to 1,600,000,000 pounds, with no great fluctuations.

In each of the two exceptional years above mentioned, beef production was a little under 1.600,000,000 pounds, but subsequently the production ranged from about 1,300,000,000 to 1,500,000,000 pounds.

Veal production in each of the two exceptional years was almost 100,000,000 pounds, but in later years it has ranged from about 80,000,000 to 90,000,000 pounds.

Mutton and Lamb.

The people of the Eritish Isles have long been famous mutton eaters, and the production of mutton, including lamb, is a little greater than in the United States. Besides this, great quantities of frozen mutton are imported.

The British mutton and lamb production almost reached 800,000,000 pounds in 1892-93, but generally speaking throughout the 18 years covered by the record the production has ranged from about 600,000,000 to 700,000,000 pounds. As in the case of beef, only a few marked fluctuations are presented.

Aside from the production of nearly 700,000,000 pounds of mutton, not including lamb, in 1892-93, the general course of production has been about 500,000,000 to 600,000,000 pounds yearly.

In one year, 1892-93, lamb production reached 105,000,000 pounds, but in the other years of the 18-year period the production ranged from about 85,000,000 to 95,000,000 rounds.

Pork.

Pork production is about on a par with the production of mutton and lamb in the United Kingdom, although it fluctuates very freely. About 630,000,000 pounds as a yearly production may be regarded as an average result of slaughtering throughout the 18 years covered by the record, although the production has reached as high as 843,000,000 pounds in 1891-92, and has fallen as low as 474,000,000 pounds two years later.

As Percentages of Their Total.

With the understanding that the total production of beef, mutton and pork is represented by 100, the changes in the relative positions of these three classes of meat throughout the 18 years under review are

(Continued on page 28.)

PRACTICAL POINTS FOR THE TRADE

ACTUAL PACKINGHOUSE TESTS.

ACTUAL PACKINGHOUSE TESTS.

[BDITOR'S NOTE,—Bvery packinghouse superintendent keeps a record of tests, which is his most precious possession, and which serves him as a guide and reference in succeeding operations. It is only actual tests that tell the story in packinghouse practice; theory is all right, but practical results are a secessary guide always. The National Provisioner has printed on this page of "Practical Points for the Trade" many tests of this sort, in answering inquiries from subscribers. It has many more of these test results at its command, and will publish them from time to time for the general information of readers, instead of withholding them until some specific inquiry is made.]

YIELD OF BLOOD TO THE HOG.

An eastern subscriber writes as follows: Editor The National Provisioner:

Will you kindly inform me the estimated weight of blood to the 100-lb. hog when stuck? What I want is, when the hog is stuck? What I want is, when the hog is knocked down and bled, what proportion of the gross weight of the animal is lost?

An actual test on raw hog blood shows as follows: About 1,000 hogs averaging 225 pounds ran about 7 pounds of blood per hog, or a trifle over 3 per cent of the live weight. Many killers figure 8 pounds per hog, which cannot possibly apply to all weights of hogs. As a rule, dried blood will run about 11/2 pounds per hog, analyzing, when properly manipulated, 17 per cent of ammonia, on which basis it is sold. Cattle blood, raw, runs about 37 pounds per head.

----PORK CUTS AND PACKING.

A reader in the West who is unfamiliar with the pork packing trade asks this question:

Editor The National Previsioner:

Will you please tell me how many pounds of pork are packed in a barrel, and what part of the bog carcass you refer to when speak-ing of the "butts"?

Speaking of "pork," the word pork signifies nothing in particular, as the whole dressed hog is pork. But in the venacular of the trade "pork" has a particular significance, viz.: pork loins, pork chops, pork tenderloins, trimmings, etc. Then we get into pork cuts for pickle, such as mess, clear, plate, pig, bean and so on. We have it tresh, pickled, dry salted, smoked and in sausage. We get it every way, cut and handled fresh and cured, according to relative values, based on the price of the live hog. The immediate sale of fresh cuts, of course, takes precedence for obvious reasons. It costs money to cure hog product and market it, and nobody knows this better than the packer.

Chicago Board of Trade requirements are as follows: Standard mess pork should be made from sides of well-fatted hogs, split through or on one side of the back bone and equal proportions on both sides, cut into strips of uniform width, properly flanked and not backstrapped.

Between October 1 and the last day of February, inclusive, 190 pounds, and between March 1 and September 30, inclusive, 193 pounds of green meat, numbering not over sixteen pieces, including the regular proportion of flank and shoulder cuts, placed four layers on edge without excessive crowding or bruising, shall be packed in each barrel, with not less than 40 pounds or coarse salt, and the barrel filled with brine of full strength, or 40 pounds of coarse salt and in addition thereto 15 pounds of salt and barrel filled with cold water.

This is the kind of pork quoted on the Chicago Board of Trade, and is figured on a basis of 200 pounds per barrel. The number of pieces run from 13 to 16. In addition to this there are prime mess pork, extra prime pork, light mess pork, back pork, extra shoulder pork, extra clear pork, clear pork, clear back pork, etc.

A barrel of hog meat is usually around 200 pounds and a tierce around 300 pounds. Butts may be ham butts, shoulder butts, jowl butts, or any old butt. It is a piece of meat cut off when making different cuts of shoulders, particularly, or hams. For instance, making "picnics" or "Calas" the butt end or tap of the shoulder is cut off through the blade, and this may be left as it is or the lean separated from the fat, making a lean butt and a clear plate, the latter being the fat part of the shoulder butt.

Aside from standard cuts we have "house" cuts of piece pork; that is, certain parts of the hog cut up into small pieces and pickled, which may be back, belly or shoulder, as the case may be, with or without bone. These cuts are given as a rule a "house" name, and are thus sold to customers who know what they expect to get.

The best way to get some idea of such matters is to visit a packinghouse and see these cuts made, which simplifies the matter greatly.

KEEP YOUR PROVISIONER ON FILE

The National Provisioner is frequently in receipt of letters from subscribers who recall having seen something interesting or important in a previous issue of this publication, but they have mislaid the copy and want the information repeated or another copy furnished. The National Provisioner offers the suggestion that if every interested subscriber would keep a file of this publication, he would be able to look up a reference at once on any matter which might come up. and thus avoid delay. A carefully arranged index of the important items appearing in our columns is published every six months, and with this and a binder, which The National Provisioner will furnish, the back numbers of the papers may be neatly kept and quickly referred to for information.

The binder is new, and is the handiest and most practical yet put on the market. It is finished in cloth board, with gold lettering, and sells for \$1. It may be had upon application to The National Provisioner, 116 Nassau street, New York.

Obvious Inference

One of our old customers that has used Swensons for over a quarter of a century, reordered evaporators and equipment to the extent of over \$100,000 during the past year.

Swenson Evaporator Co.,

Chicago.

THE

NATIONAL PROVISIONER

New York and Chicago

Official Organ American Meat Packers' Association

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AMERICAN MEAT PACKERS' ASSOCIATION.

AMERICAN MEAT PACKERS' ASSOCIATION.
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THE LATEST INVESTIGATION

The action of President Wilson in ordering the Federal Trade Commission to make a thorough investigation of food conditions, and to co-operate with the Department of Agriculture in doing so, seems to be the outcome of agitation for an investigation into the high cost of food commodities as a public protest against the high cost of living.

There can be no question that the cost of necessities of life is a serious and very heavy burden upon practically all classes. The increased cost of living has necessitated increases in wages; the cost of labor and other necessities has increased the requirements in all of the channels of trade, and the accumulated burden must necessarily fall upon the public.

In self-defense the public demands investigations to ascertain whether there are any artificial reasons for these added and constantly growing burdens. And while the

old law of supply and demand seems to be in full operation, it is difficult for those who are making the demand to understand that supply is not keeping up with their requirements in any direction.

The war, of course, complicates the domestic problem. Prices of everything are higher than they have ever been. There are underlying reasons for these increases, and for the rapidity of the rise. It is but natural that the thought of the public and of the President should turn first to food commodities as being the most important to the welfare of the people, and the order of the President therefore is not astonishing.

The order requires that the commission, acting in conjunction with the Department of Agriculture, shall investigate the conditions surrounding the production and marketing of all food commodities. The President. with his usual conservatism, suggests that if there are artificial and improper conditions existing which cause high prices for the necessities of life, they should be known that they may be corrected, but that if on the other hand it is found these conditions arise from natural causes, it is equally desirable in common justice that this fact should be given publicity.

It is more than likely that the meat trade will have a very prominent place in the investigation. It would seem that after fifteen years of national, State and municipal investigations, civil and criminal indictments, newspaper agitation, and all of the other probes which have gone into the packing business, the public should be well convinced by this time that the packinghouse business, which has always been vindicated in these tests, should at least be permitted to conduct its affairs without further undue inter-

This has not been true in recent months, and because of the serious situation it is evident that the attention of the President has been directly and specially called to it, with the suggestion that the proposed investigation should be made. The packinghouse trade will undoubtedly co-operate both with the Federal Trade Commission and the Department of Agriculture in arriving at the facts. It has always done so heretofore. Coming by direction of such a high authority it is to be hoped that the conclusions arrived at will be so final that there will be no need again to cast suspicion upon the meat industry.

It is evident that the Government at this time is well equipped for such an investigation, with two agencies which are organized for constructive and not for destructive or sensational purposes. The Federal Trade Commission is composed of men of business training, who understand business conditions, and who can draw conclusions after taking

into consideration all the factors in a business proposition. The Bureau of Markets of the Department of Agriculture, which is practically a new agency of the Government, is being operated upon constructive lines, and in its very short life has already accomplished a great deal in the dissemination of necessary business knowledge.

With the commission and the bureau working together, without a view to finding sensational developments, but to ascertain only the exact facts, it will be an interesting form of investigation. It should be invaluable in the final conclusions.

That the packinghouse industry will cooperate fully is a foregone conclusion. But the suggestion is made that in order to thoroughly ascertain all of the facts with regard to meat price conditions, the investigation should make a thorough survey of the "business" of producing livestock, the "business" of turning it into meat and by-products, the "business" of distribution of such products, and the "business" of transportation. If the same efficiency is shown all along the line as is the case in the marketing end of meat production and distribution, it will be astonishing to all concerned. But the investigation may point a way whereby our very important "business" of getting meat food products to the table can be improved in a place least expected.

---MOBILIZING MEAT RESOURCES

Possibility of the entrance of the United States into the war arena as an active participant following the severance of diplomatic relations with Germany has caused a speeding up of the plans for both military and industrial mobilization which had been going on. Every line of industry has been taken into consideration, and none will be of more importance in the case of war than the meat packing industry.

No industry is in a better state of preparedness than the meat industry. American meat plants and meat organizations are the best systematized in the country, and the machinery of the meat packing trade could be instantly turned to the task of supplying armed forces in the field, with hardly a detail of alteration. The whole system, from the packinghouse to the branch market cooler, lends itself ideally to the needs of such a situation.

It would be a question only of the adequacy of the supply of raw material, and transportation facilities for moving the finished products. If we ever get into war and the industries of the country are applied as a whole to war purposes, the people will get a really striking illustration of the marvellous organization and the super-efficiency of the meat packing industry of the United

TRADE GLEANINGS

The erection of an abattoir is being considered by the city of Anderson, S. C.

The plant of the East St. Louis Cotton Oil Company at Micola, Mo., has been damaged by fire.

Lawrence Jensen's cheese factory at Pine Grove, Green Bay Wis., has been destroyed by fire.

The erection of an abattoir at Bowling Green, Ky., is contemplated by E. P. Serety of Indianapolis. Ind.

Fire destroyed 4,000 tons of cottonseed in the warehouse of the Southland Cotton Oil Company at Wynnehood, Okla.

Work has been started on the new \$100,000 packing house of Wilson & Company, on West Bay street, Jacksonville, Fla.

Fire caused damage of \$300 at Armour & Company's plant at Fourth South and Third West streets, Salt Lake City, Utah.

The plant of the Nevada Packing Company, Reno, Nev., recently purchased by the Western Meat Company, rill be enlarged.

Wallace Roberts Canning Company, Woodstown, Salem County, N. J., to can meats, vegetables, etc., has been incorporated with a capital stock of \$125,000.

It is reported that operations were commenced in the new plant of the Inter-County Co-operative Packing Company, New Richmond, Wis., on February 15.

The Darlington Real Estate & Fertilizer Company, Darlington, S. C., has been incorporated with a capital stock of \$10,000 by C. B. Edwards and J. L. Edwards.

S. Henle, Inc., New York, N. Y., to produce paraffin, petroleum, greases, etc., has been incorporated by S. Henle, G. R. Martin and W. H. Warde with a capital stock of \$50.000.

J. Telenga Export & Trading Corp., New York, N. Y., to deal in chemicals, greases, fats, oils, etc., has been incorporated with a capital stock of \$25,000. The incorporators are: J. Telenga, 18 West 103rd street, New York, N. Y.; J. H. Mulier, 1378 St. Mark's avenue, Brooklyn, N. Y., and A. C. Kahn, 252 West 105th street, New York, N. Y.

The J. A. Whitfield Company has acquired a modern abattoir and packing house property at Frederick, Md., and will operate it at full capacity under the management of L. K. Baldwin.

The Thomas Ruddy Company of Augusta, Me., has been granted a permit to do business in Texas. Capital stock, \$1,500,000. They intend to establish, build and maintain slaughtering plants.

Alysdale, Inc., New York, N. Y., to breed animals, manufacture dairy products, etc., has been incorporated with a capital stock of \$50,000 by W. V. Taylor, H. Norman, 27 Pine street, New York, N. Y., and G. E. Jackson, Bound Brook, N. J.

It has been announced that a site has been

It has been announced that a site has been purchased in Houston, Texas, by the Cotton-seed Oil Company of Texas, on which a \$100,000 mill will be erected. Clarence Martin, vice president of the company, will have

vice president of the company, will have charge of the mill.

A meat killing plant and abattoir will be established at Berry Hill, about five miles from Rome, Ga., by the Lucerne Farm Products Company, incorporated by P. O. Stensland of Rome, Ga., O. N. Osland, D. Osland and T. Osland of Chicago, Ill. Capital stock, \$24,000.

The capital stock of the Ogden Packing & Provision Company, Salt Lake City, Utah, has been increased from \$1,000,000 to \$2,000,000. The following officers have been relected for the coming year: L. Hanse, president; Fred J. Kiesel, vice president; James Pingree, treasurer, and S. Jensen, generatary.

Contracts are soon to be let for the construction of the plant of the Orangeburg Packing Company at Orangeburg, S. C. The company was organized with a capital stock of \$200,000. The principal building of the plant will be a three-story, reinforced concrete fireproof structure with brick facings. The building is 205 x 79 feet.

ANIMAL PRODUCTS AS FOOD.

We have been told for years by a certain class of so-called food experts that the human race could be well nourished without the use

of animal products. Possibly that is true, if the vegetable fats could easily be made available for human consumption and were sufficient in quantity for the needs of the people.

But when the war is over, and a view of conditions in the countries which are short of meats, milk and animal fats may be had, we believe that the world will find before it a great lesson about the value of livestock products. We expect Germany and Austria, possibly Great Britain and France also, to furnish some striking evidence as to the effects a deficiency in foods derived from livestock, the only constant and cheap source of fats essential to the proper nourishment of a race accustomed to their use for countless generations.

We are told that some day the use of animal products must cease, that grains and vegetables will be so much needed that we cannot afford to put them into the animal laboratories for transformation into the proteids and fats of meat, milk and other carriers. The experience of great.nations on this point, when we are in position to examine it, will probably disprove this theory.

In fact we believe it is going to prove that the contrary is true, that we cannot afford to neglect these animal laboratories if the race is to be nourished properly and sufficiently. In this as in all other human problems experience will be worth more than all the volumes of theory the libraries of the earth can hold.—National Stockman & Farmer.

JANUARY OLEO OUTPUT AT CHICAGO.

The oleomargarine output for the Chicago district for the month of January, 1917, was 11,316,102 lbs. uncolored and 227,412 lbs. colored, a total of 11,543,514 lbs. This was two and a half million pounds less than the preceding month. Compared to a year ago, it was nearly three and a half million pounds more. Renovated butter production in January in this district was 674,969 lbs.

Oleomargarine production in the Chicago district by months for the past year is as

		Pounds.
January, 1916		8,132,537
February		8,629,735
March	1	0,159,141
April		9,741,393
May		9,093,366
June		7,895,272
July		6,070,926
August		7,624,590
September		10,334,173
October		12,020,961
November		13,817,912
December		14,004,048
January, 1917		11,543,514

of the 49 packers who advertised in the January 20, 1917 issue of this paper have used B and P Special Enamel Let us tell you why they continue using it

THE TROPICAL PAINT AND OIL CO. Cleveland OHIO

HUDFORD ONE-TON TRUCK \$725

HUDFORD CO. of N. Y.

THE BEST LIGHT DELIVERY TRUCK ON THE MARKET

Merchants appreciate the small upkeep and the reliability of the Ford Car, with Hudford One-Ton Unit attached. Your old Ford can be converted for \$380, all complete. DELIVERY BODIES FOR FORDS AND HUDFORDS SALESROOM AND SERVICE STATION Phone, Circle 3365

1700 B'way. Corner 54th Street New York

PACKERS who buy our SPECIAL HAM PAPER for smoked meat wrapping and Lard Liners, get the GREATEST VALUE the market offers.

WRITE US FOR PLAIN OR PRINTED SAMPLES

Hartford City Paper Company

Hartford City, Indiana

PROVISIONS AND LARD

WEEKLY REVIEW

All articles under this head are quoted by the barrel, except lard, which is quoted by the hundredweight in tierces, pork and beef by the barrel or tierce and hogs by the hundredweight.

Prices Maintained-Offerings Light-Demand Good-Distribution Affected by Shipping Conditions-Exports Curtailed.

The past week has shown unimportant changes in the prices for provisions of all kinds. Values have been maintained at near the high level and on beef there has been a very strong market which has naturally had some effect on the price for hogs and hog products. The conditions have been very much against the distribution of product owing to transportation at the interior, the ocean situation and on account of the submarine activity. Foreign markets continue very strong.

The exports from the seaboard are being very much disturbed and upset by the fact that neutral nations of Europe are not able to move anything as yet, no safe lanes having been provided except in a limited way. The north of Europe seems to be almost completely shut off and the holding up of the shipments to the neutral nations has naturally had the effect of causing some congestion at shipping points.

Shipments by American boats are of course held up as yet and there is some apprehension that the influence of this congestion will be felt in creating conditions which will lead to an embargo at the seaboard. The western conditions have been very serious. The situation has become so acute that some of the western roads during the last week placed embargoes on even live stock and perishables and the conditions have not improved to any extent this week.

The talk is still of a very congested condition of the transportation at the west which will naturally have bearing on both the movement of hogs from the country and the distribution of products from packing points. The weather conditions have been very severe all through the west, and this with the congestion of traffic has been a serious factor in moving all kinds of freight.

The government report of the stocks of provisions in the country for February 1 has just been published and presents some interesting conclusions. The report shows that the accumulations were quite liberal in January and stocks are in most cases larger than those of last year. The accumulation of stocks during the month were not as large as the accumulations for the corresponding month last year. The figures with the last three ciphers omitted show the following comparisons :

No. of	Fel	0, 1	Changes.
firms	1917.	1916,	Per cent
Frozen beef, lbs., 132	165,063	132,266	Inc. 24.8
Cured beef, lbs 193	32,594	20,852	Inc. 56.8
Frozen pork, lbs., 157	55,753	74.636	Dec. 25.3
Dry salt pork, lbs, 240	211,753	194,053	Inc. 9,1
S. P. pork. lbs 294	312,450	298,939	Inc. 4,5
Lard. 1bs 270	. 83,397	92,342	Dec. 9.7
Frozen lamb and			
mutton, lbs 87	4.613	5.286	Dec. 12.7

During January this year frozen beef increased 1.3 per cent. against an increase in January last year of 10.7 per cent. Frozen pork increased 9.4 per cent. against an increase last year of 59.6 per cent. Dry salt pork increased 9. 4per cent. against an in-

crease last year of 33.2 per cent; sweet- per cent in January, 1917, while the reports pickled pork increased 14 per cent. against an increase last year of 28.7 per cent. Lard increased 6.10 per cent against an increase of 52 per cent. last year, while cured beef decreased 7.6 per cent. against a decrease of 2.7 per cent. last year, and frozen lamb and mutton decreased 25.8 per cent. against a decrease of 12.40 per cent. last year.

The exports of provisions have been restricted during the past two weeks by the holding up of the sailings of the neutral boats, and this is naturally having effect on the total shipments. It is understood, however, that the sailing of the Belgian Relief boats will shortly be resumed and the loading of provisions is reported to be going on again for shipment.

The shipments to Holland are also expected to be resumed within a few days, and there is some question about shipments to other neutral countries. The shipments to the Allies have not been held up to any extent and it is stated on high authority that there has been no holding up of either shipments or clearances of any kind of supplies for the Allies excepting such holdups as came from the actual delays of loading on account of the transportation conditions from the west. The hog movement has been quite heavy notwithstanding the traffic conditions, and this has had a good deal of influence, showing that the country was ready to keep up marketing hogs at the price prevailing.

LARD.-The market was very firm after moderate declines. Demand has been of good volume and prices have responded. Reports that shipments would be resumed for Belgium had considerable effect. City is quoted at \$16\% (@16\%; Western, \$17@17.05; Middle West, \$16.90@17; refined Continent, \$18; South American, \$18.25; Brazil, kegs, \$19.25; compound, 13 1/4@141/4c.

BEEF.-The market has ruled firm but quiet. Demand while not active has been persistent and has taken offerings readily resulting in scant supplies on hand. \$23@23.50; packet, \$23.50@25.50; family, \$26@28; extra India, \$45@46.

PORK .- The market is very firm. Supplies are light and the offerings from the west are small and at high prices. The traffic conditions render business very difficult. Mess, \$33@35; clear, \$33@35, and family, \$33@35.

SEE PAGE 29 FOR LATER MARKETS.

STOCKS OF FROZEN AND CURED MEATS.

The total stocks of flozen beef reported by 190 firms to the United States Department of Agriculture on February 1, 1917, amounted to 189,138,253 pounds, while the total stocks reported by 225 firms on January 1, 1917, amounted to 173,829,426 pounds. The reports of 132 firms show stocks of 165,062,736 pounds on February 1, 1917, as compared with 132,266,076 pounds on February 1, 1916, an increase of 24.8 per cent. The reports of 155 firms show that the stocks increased 1.3

of 114 firms show stocks decreased 2.7 per cent in January, 1916.

The total stocks of cured beef reported by 243 firms on February 1, 1917, amounted to 34,459,680 pounds, while the total stocks reported by 241 firms on January 1, 1917, amounted to 40,271,373 pounds. The reports of 193 firms show stocks of 32,594,297 pounds on February 1, 1917, as compared with 20,-851,778 pounds on February 1, 1916, an increase of 56.3 per cent. The reports of 202 firms show that the stocks decreased 7.6 per cent in January, 1917, while the reports of 166 firms show stocks increased 10.7 per cent in January, 1916.

The total stocks of frozen pork reported by 201 firms on February 1, 1917, amounted to 65,926,244 pounds, while the total stocks reported by 185 firms on January 1, 1917, amounted to 50,845,445 pounds. The reports of 157 firms show stocks of 55,753,062 pounds on February 1, 1917, as compared with 74,-650,426 pounds on February 1, 1916, a decrease of 25.3 per cent. The reports of 161 firms show that the stocks increased 10.2 per cent in January, 1917, while the reports of 129 firms show stocks increased 59.6 per cent in January, 1916.

The total stocks of dry salt pork reported by 302 firms on February 1, 1917, amounted to 217,290,642 pounds, while the total stocks reported by 309 firms on January 1, 1917, amounted to 199,542,596 pounds. The reports of 240 firms show stocks of 211,753,458 pounds on February 1, 1917, as compared with 194,053,096 pounds on February 1, 1916, an increase of 9.1 per cent. The reports of 255 firms show that the stocks increased 9.4 per cent in January, 1917, while the reports of 207 firms show stocks increased 33.2 per cent in January, 1916.

The total stocks of sweet pickled pork reported by 364 firms on February 1, 1917, amountted to 323,075,484 pounds, while the total stocks reported by 386 firms on January 1, 1917, amounted to 284,881,323 pounds. The reports of 294 firms show stocks of 312,-449,817 on February 1, 1917, as compared with 298,939,265 pounds on February 1, 1916, an increase of 4.5 per cent. The reports of 325 firms show that the stocks increased 14.0 per cent in January, 1917, while the reports of 260 firms show stocks increased 28.7 per cent in January, 1916.

The total stocks of lard reported by 333 firms on February 1, 1917, amounted to 87,-804,663 pounds, while the total stocks reported by 346 firms on January 1, 1917, amounted to \$3,162,608 pounds. The reports of 270 firms show stocks of \$3,396,611 pounds on February 1, 1917, as compared with 92,-341,937 pounds on February 1, 1916, a decrease of 9.7 per cent. The reports of 299 firms show that the stocks increased 6.1 per cent in January, 1917, while the reports of 233 firms show stocks increased 52.0 per cent in January, 1916.

The total stocks of trozen lamb and mutton reported by 114 firms on February 1, 1917, amounted to 5,800,457 pounds, while the total stocks reported by 114 firms on January 1, 1917, amounted to 5,646,496 pounds. The reports of 87 firms show stocks of 4,613,-410 pounds on February 1, 1917, as compared with 5,285,543 pounds on February 1, 1916, a decreased of 12.7 per cent. The reports of 96 firms show that the stocks decreased 25.8 per cent in January, 1917, while the reports of 81 firms show stocks decreased 12.4 per cent in January, 1916.

EXPORTS OF HOG PRODUCTS.

Exports of hog products from New York reported up to February 14, 1917:

HOGS.-Colombia, 3 hd.

BACON.—Bermuda, 8,433 lbs.; British West Indies, 486 lbs.; Canary Islands, 6,728 lbs.; Chile, 541 lbs.; Costa Rica, 1,296 lbs.; Cuba, 24,328 lbs.; Danish West Indies, 175 lbs.; Dutch Guiana, 166 lbs.; England, 2,-184,182 lbs.; France, 2,184,182 lbs.; Jamaica, 656 lbs.; Panama, 4,818 lbs.; San Domingo, 389 lbs.; Scotland, 380,483 lbs.; Spain, 96,585

HAMS AND SHOULDERS (Cured) .-Bermuda, 12,208 lbs.; British Guiana, 4,591 lbs.; British West Indies, 2,452 lbs.; Chile, 759 lbs.; Colombia, 1,479 lbs.; Costa Rica, 393 lbs.; Cuba, 35,482 lbs.; Canary Islands, 477 lbs.; Danish West Indies, 1,974 lbs.; Dutch Guiana, 14,868 lbs.; Dutch West Indies, 707 lbs.; England, 1,282,169 lbs.; France, 2,390,123 lbs.; French West Indies, 4,025 lbs.; Jamaica, 506 lbs.; Panama, 11,417 lbs.; San Domingo, 5,525 lbs.; Scotland, 346,018 lbs.; Spain, 22,483 lbs.; Trinidad, 300 lbs.; Venezuela, 2,797 lbs.

LARD.—Barbados, 1,760 lbs.; Bermuda, 280 lbs.; British Guiana, 5,111 lbs.; British South Africa, 6,650 lbs.; British West Indies, 12,956 lbs.; Canary Islands, 21,400 lbs.; Chile, 200 lbs.; Colombia, 16,209 lbs.; Cuba, 38,346 lbs.; Danish West Indies, 371 lbs.; Dutch Guiana, 300 lbs.; Dutch West Indies, 410 lbs.; England, 1,730,471 lbs.; France, 4,181,118 lbs.; French West Indies, 1,652 lbs.; Hayti, 4,200 lbs.; Jamaica, 4,296 lbs.; Panama, 4,648 lbs.; Peru, 5,000 lbs.; Phillipine Islands, 3,160 lbs.; San Domingo, 55,723 lbs.; Scotland, 102,967 lbs.; Spanish Africa, 31,000 lbs.; Trinidad, Island of, 980 lbs.; Venezuela, 5,063 lbs. 12,956 lbs.; Canary Islands, 21,400 lbs.; Chile,

LARD COMPOUNDS.—Barbardos, 2,525 lbs.; Bermuda, 5,927 lbs.; British Guiana, 8,666 lbs.; British West Indies, 37,158 lbs.; 8,000 lbs.; British West Indies, 37,158 lbs.; Canary Islands, 200 lbs.; Colombia, 120 lbs.; Costa Rica, 336 lbs.; Cuba, 12,573 lbs.; Danish West Indies, 7,194 lbs.; Dutch Guiana, 400 lbs.; Dutch West Indies, 2,486 lbs.; England, 36,365 lbs.; French West Indies, 125 lbs.; Jamaica, 1,214 lbs.; Panama, 5,729 lbs.; Tripidad, Island of 148 l73 lbs.

lba.; Jamaica, 1,214 lba.; Panama, 5,729 lba.; Trinidad, Island of, 146.173 lba. LARD OIL.—British South Africa, 300 gals.; Canary Islands, 15 gals.; Cuba, 60 gals.; Spain, 10 gals.; Venezuela, 50 gals.

FRESH PORK.—Bermuda, British West Indies, 21,863 lbs.; Danish West

British West Indies, 21,863 lbs.; Danish West Indies, 500 lbs.; Dutch Guiana, 10,000 lbs.; England, 604,864 lbs.; Panama, 10,051 lbs.
PICKLED PORK.—Barbados, 900 lbs.; Bermuda, 3,702 lbs.; British Guiana, 42,000 lbs.; British West Indies, 34,065 lbs.; Canary Islands, 600 lbs.; Chile, 600 lbs.; Costa Rica, 2,000 lbs.; Cuba, 5,066 lbs.; Danish West Indies, 4,809 lbs.; Dutch Guiana, 1,000 lbs.; Dutch West Indies, 200 lbs.; England, 33,000 lbs.; France, 72,100 lbs.; French West Indies, 7,610 lbs.; Jamaica, 26,000 lbs.; San Domingo. 7,610 lbs.; Jamaica, 26,000 lbs.; San Domingo, 3,600 lbs.; Spain, 200 lbs.; Trinidad, Island of, 20,200 lbs.; Venezuela, 200 lbs. CANNED PORK.—Bermuda, 24 lbs.; Brit-

CANNED PORK.—Bermuda, 24 lbs.; British West Indies, 66 lbs.; Colombia, 200 lbs.; Danish West Indies, 635 lbs.; England, 90,930 lbs.; France, 261,190 lbs.; Panama, 405 lbs.; Scotland, 5,832 lbs.; Venezuela, 480 lbs. SAUSAGE.—Bermuda, 1,139 lbs.; British West Indies, 955 lbs.; Canary Islands, 200 lbs.; Chile, 818 lbs.; Colombia, 836 lbs.; Costa

lbs.; Chile, 818 lbs.; Colombia, 836 lbs.; Costa Rica, 120 lbs.; Cuba, 3,118 lbs.; Danish West Indies, 793 lbs.; Dutch Guiana, 740 lbs.; Dutch West Indies, 307 lbs.; England, 25,350 lbs.; France, 189,015 lbs.; French West Indies, 640 lbs.; Hayti, 100 lbs.; Panama, 4,240 lbs.; Peru, 590 lbs.; San Domingo, 4,335 lbs.; Scotland, 3,750 lbs.; Venezuela, 4,457 lbs.

EXPORTS OF BEEF PRODUCTS.

Exports of beef products from New York reported up to February 14, 1917:

BEEF (Pickled and Other Cured). BEEF (Pickled and Other Cured).—Barbados, 200 lbs.; Bermuda, 900 lbs.; British Guiana, 18,500 lbs.; British South Africa, 800 lbs.; British West Indies, 5,935 lbs.; Canary Islands, 1,100 lbs.; Chile. 600 lbs.; Costa Rica, 1,000 lbs.; Cuba, 2,000 lbs.; Danish West Indies, 400 lbs.; Dutch Guiana, 6,000 lbs.; Dutch West Indies, 200 lbs.; Ergland, 22,600 lbs.; France, 15,000 lbs.; French West Indies, 2,000 lbs.; San Domingo, 800 lbs.; Scotland, 112,431 lbs.; Spain, 800 lbs.; Trinidad, Island of, 8,500 lbs.; Venezuela, 300 lbs.

zuela, 300 lbs. FRESH BEEF.—Bermuda, 49,425 lbs.; British West Indies, 1,318 lbs.; Dutch Guiana, England, 1,633,804 lbs.; Scot-11,800 lbs.; Er land, 17,094 lbs.

OLEOMARGARINE.-Bermuda, OLEOMARGARINE.—Bermuda, 1,530 lbs.; British Guiana, 2,000 lbs.; British West Indies, 16,785 lbs.; Canary Islands, 300 lbs.; Costa Rica, 1,140 lbs.; Cuba, 3,400 lbs.; Danish West Indies, 7,870 lbs.; Dutch Guiana, 1,700 lbs.; Dutch West Indies, 1,170 lbs.; French West Indies, 250 lbs.; Jamaica, 2,500 lbs.; Parasso, 7,510 lbs.; Sar Domingo, 2,960 lbs.; Panama, 7,810 lbs.; San Domingo, 3,260

OLEO OIL.—Colombia, 1,800 lbs.; England, 38,050 lbs.; France, 38,868 lbs.; Norway, 19,-384 lbs.; Scotland, 28,670 lbs.

384 lbs.; Scotland, 28,070 lbs.; Cuba, 27,674 lbs.; England, 33,600 lbs.; Peru, 6,173 lbs.; San Domingo, 4,963 lbs.; Scotland, 50,029 lbs.; Venezuela, 47,099 lbs.

OLEO STOCK.—France, 92,327 lbs.; Scotland, 51,144 lbs.

land, 87.154 lbs.
OTHER ANIMAL OILS.—Bermuda, 50

gals.; Jamaica, 20 gals.

TALLOW.—British West Indies, 472 lbs.;
Chile, 100 lbs.; Colombia, 17,496 lbs.; Costa

Rica, 500 lbs.; France, 45,354 lbs.; San Domingo, 3,977 lbs.; Venezuela, 29,000 lbs. CANNED BEEF (Value).—Bermuda, \$448; British Guiana, \$38; British West Indies, \$270; Chile, \$298; Colombia, \$587; Costa Rica, \$17; Cuba, \$103; Danish West Indies, \$259; Dutch Guiana, \$144; Dutch West Indies, \$142; Ecuador, \$96; England, \$64,297; France, \$35,667; French West Indies, \$50; Jamaica, \$1,634; Panama, \$352; Peru, \$24; Portugese Africa, \$27; San Domingo, \$134; Portugese Africa, \$27; San Domingo, \$134; Scotland, \$11,205; Spanish Africa, \$9,504; Strait Settlements, \$351; Venezuela, \$2,236. OTHER MEAT PRODUCTS (Value).—

Strait Settlements, \$351; Venezuela, \$2,236. OTHER MEAT PRODUCTS (Value).— Barbados, \$885; Bermuda, \$226; British Guiana, \$2,591; British West Indies, \$429.; Chile, \$203; Cuba, \$760; Danish West Indies, \$50; Dutch West Indies, \$39; England, \$17,750; France, \$5,352; French West Indies, \$43; Lamaica, \$30. Pagama, \$300. Pagama, \$104. Peru, \$12. Peru, \$12. Spanish Jamaica, \$89; Panama, \$800; Peru, \$126; San Domingo, \$356; Spain, \$953; Spanish Africa, \$10,012; Trinidad, Island of, \$2,126; Venezuela, \$197.

EXPORTS OF DAIRY PRODUCTS.

Exports of dairy products from New York reported to The National Provisioner up to February 14, 1917:

BUTTER.-Bermuda, 15,286 lbs.; British Guiana, 7,900 lbs.; British West Indies, 5,097 lbs.; Colombia, 185 lbs.; Costa Rica, 400 lbs.; Cuba, 1,893 lbs.; Danish West Indies, 1,560 lbs.; Dutch Guiana, 540 lbs.; Dutch West Indies, 330 lbs.; French West Indies, 1,560 lbs.; Dutch West Indies, 1,560 lbs.; Dutch West Indies, 1,560 lbs.; Dutch West Indies, 1,560 lbs.; French West Indies, 1,560 lbs.; Tench West Indies 1,500 lbs.; Jamaica, 939 lbs.; Panama, 5,655 lbs.; Peru, 158 lbs.; Portugese Africa, 122 lbs.; San Domingo, 1,484 lbs.; Venezuela, 2,260 lbs.

EGGS.-Bermuda, 5,160 doz.

EGGS.—Bermuda, 5,160 doz.
CHEESE.—Bermuda, 3,035 lbs.; British
Guiana, 1,037 lbs.; British South Africa,
4,800 lbs.; British West Indies, 2,737 lbs.;
Canary Islands, 525 lbs.; Colombia, 392 lbs.;
Cuba, 5,243 lbs.; Danish West Indies, 2,415
lbs.; Dutch Guiana, 387 lbs.; England,
162,543 lbs.; French West Indies, 196 lbs.;
Jamaica, 756 lbs.; Panama, 211 lbs.; Peru,
2,336 lbs.; Portugese Africa, 75 lbs.; Salvador, 75 lbs.; San Domingo, 1,717 lbs.; Sentdor. 75 lbs.; San Domingo, 1,717 lbs.; Scot-land, 20,069 lbs.; Spain, 18,265 lbs.; Trinidad, Trinidad. Island of, 473 lbs.; Venezuela, 317 lbs.

EXPORTS OF PROVISIONS

Exports of hog products for the week ending Feb. 10, 1917, with comparisons:

	PURK, BB	LS.	
То	Week ending Feb. 10, 1917.	Week ending Feb. 12, 1916.	From Nov. 1, '16, to Feb. 10, 1917.
United Kingdom		341	2,052
Continent		109	1,741
So. & Cen. Am	433	421	4.995
West Indies	1.661	1.109	13,573
Br. No. Am. Col	36	239	2,391
Other countries	55		231
Total	2,185	2.229	24,983
	MEATS, . L	BS.	
United Kingdom	3,136,600	16,503,682	179,423,600
Continent	1.444.590	700,875	85,088,062
So. & Cen. Am	25.029	19,043	739,103
West Indies	19,038	138,863	3.136,956
Br. No. Am, Col	1.520	22,611	177,125
Other countries	37,341	4,117	291,629
Total	.4,664,028	17,389,191	268,856,475
	LARD, L	BS.	
United Kingdom	2,180,050	8,073,450	43,867,716
Continent	403,720	1,895,926	86,936,738
So, & Cen. Am	684,032	800,000	9,281,885
West Indies	204,357	425,452	6,338,949
Br. No. Am. Col.		58,835	96,993
Other countries	3,875	*****	437,622
Total	3,476,034	11,253,663	146,959,903
RECAPITULATIO	N OF THE	E WEEK'S	EXPORTS.
	Pork, bbls.	Meats, 1bs.	Lard, lbs.
New York	444	4,664,028	2,724,034
Boston	36	******	******
New Orleans	1,705		752,000
Total week	2.185	4.664,028	3,476,034
Previous week	2.068	11,856,411	6,718,423
Two weeks ago	1,892	24,336,159	20,752,070
Cor. week last y'r	2,217	17,389,191	11,253,623

COMPARATIVE SUMMARY OF EXPORTS.

From Nov. 1, '16, Same time to Feb. 10, '17, last year. Changes.

Pork. 1bs........268,566,575 245,492.050 Inc. 23,364,516

Lard. 1bs.....146,959,903 145,935,136 Inc. 1,024,767

EXPORTS SHOWN BY STEAMERS.

Exports of commodities from New York to European ports for the week ending Thursday, February 8, 1917, as shown by A. L. Russell's report are as follows:

Oil. Cake. Bags.		Butter.						
			2534				1053	2500
							1947	213
							75	1300
			878					1000
			621				150	200
1074								
996	****		***		****	****		
33000							* * * *	
			200				50	1240
				_		_		
35070			9791			0 0 0-0	3275	6453
	Cake. Bags	Cake. OII. Bags. Bbls. 1074 996 33000	Cake. Oil. Butter. Bags. Bbls. Pkgs. 1074	Oth. Cottonseed Cake. Oil. Butter. Hams. Bags. Bbis. Pkgs. Boxes. 2534 2948 210 878 621 1074 996 33000 2400	Oll. Cake. Oil. Butter. Band Hams. Tallow. Bags. Bbls. Pkgs. Boxes. Pkgs. 2534 25948 210 878 621 1074 996 2400 2400 200	Oth. Cottonseed Cake. Oil. Butter. Hams. Tallow. Beef. Bags. Bbis. Pkgs. Boxes. Pkgs. Pkgs. 2534 2948 2948 210 878 621 1074 996 33000 2400 200	Oll. Cottonseed and Cake. Oil. Butter. Hams. Tallow. Beef. Pork. Buss. Pkgs. Boxes. Pkgs. Pkgs. Buls. 2534 2948 210 878 621 1074 996 33000 2400 200	Other Cottonseed Cake Other Other Cake Other O

TALLOW, STEARINE, GREASE and SOAP

WEEKLY REVIEW

TALLOW.—The market is being held quite steady on the basis of 12c. for City Special loose. Western advices are also of fairly steady markets. Handlers of tallow say that there are no important accumulations at any point and to this the underlying steadiness must be attributed. Political conditions are still being followed as closely as possible, but there is certainly a marked divergence of opinion as to the probable effect of war involving the United States and Germany. It is pointed out that the glycerine market is firmer, running from 53 to 55c., according to grade, and those who are well informed on glycerine say that there is an elegant export outlook but holders are not anxious to sell, anticipating considerable buying for the American government.

ican government.

Foreign tallow markets, particularly at English centers, are strong on account of the shipping conditions and reduced supplies. At London there were sales of 716 casks the past week, which represented all of the offerings. The prices were 2s. 6 d. over those of the previous week. Prime city tallow in the local market is quoted at 11½c. nom., and city specials at 12c., loose.

OLEOSTEARINE.—The market has been somewhat steadier after the cleaning up of the offerings on the basis of 12%c. Recent business has been at about 13c. and that price was bid the latter part of the week.

price was bid the latter part of the week.
OLEO OIL.—The market is weak and lower on the export situation. The impossibility of shipping makes a congested condition and prices are heavy in consequence. Extras are quoted at 19½@20c., nom., and medium at 17½@18½c., nom.

SEE PAGE 29 FOR LATER MARKETS.

PEANUT OIL.—The market has been very quiet but firm. The supplies are moderate and have been readily distributed. Prices are quoted at \$1.00@1.05.

PALM OIL.—The position of all foreign with in the property of the property

oils is very firm. Stocks are small and the trade is uncertain over further supplies. Prime red, spot, 13½c., Lagos, spot, 135/@ 14½c., to arrive, —; palm kernel, 15¼@

15½c.
CORN OIL.—The market is quiet but firm. Demand is quite steady and supplies are light. Prices at 11½@12c.
SOYA BEAN OIL.—The market is firm

SOIA BEAN OIL.—The market is firm but quiet. The traffic conditions from the far west are serious, and offerings are small. Imports have not been heavy and supplies are believed to be moderate. Spot is quoted at 113/4@121/2c., nom.

NEATSFOOT OIL.—The market is firm but quiet. Prices are quoted 20 cold test, \$1.20@1.30; 30, \$1.15@1.20, and prime, \$1.00 @1.10.

COCOANUT OIL.—The supplies on hand are light and offerings for shipment are small. The position as to further supplies is main-

The position as to further supplies is maintained and sellers are not pressing stocks. Ceylon, 15@15½c.; Cochin, 19@20c.
GREASE.—The market is very firm for all grades. The further advance in tallow and the good demand for fats has brought a further advance in greases with the tone firm. Yellow, 10½@10¾c. nom.; bone, 10@10%c., nom.; house, 10½@10¾c.

FRESH MEAT AND OFFAL IMPORTS.

Imports of foreign beef into the port of New York during the past week totaled nothing, compared to nothing last week, and nothing two weeks ago.

ARGENTINE BEEF EXPORTS.

Cable reports of Argentine exports of beef for the week up to February 15, 1917, show that exports from that country were as follows: To England, 87,754 quarters; to the Continent, 105,790 quarters; to the United States, none. The previous week's exports were as follows: To England, 24,115 quarters; to the Continent, none; to the United States,

IMPORTS OF FRESH BEEF.

For the week ending February 10, 1917, the Government reports imports of fresh beef at the port of New York amounting to pounds, the average value, according to estimates from the manifests, being - cents per pound. The previous week's imports totaled - pounds, and averaged - cents per pound.

OCEAN FREIGHTS.

[Subject to change. Quotations given are shillings per ton and cents per 100 lbs.]

	Liver- pool.	Glas-	Rotter- dam.	Copen
Beef, tierces	\$3,00	\$3.00	300c.	275c.
Pork, barrels	3.00	3.00	300c.	275c.
Bacon	3.00	3.00	300c.	275c.
Canned meats	3.00	3.00	300c.	275c.
Lard, tierces	3.00	3.00	300c.	275c.
Tallow	3.00	3.00	300c.	275c
Cottonseed oil	3.00	3.75	300c.	275e.
Oil Cake			200c.	175c.
Butter	3.00	3.00	350c.	300c
No rates to Hambur	g.			

GREEN AND SWEET PICKLED MEATS.

(Special Report to The National Provisioner from

(Special Report to The National Provisioner from The Davidson Commission Co.)

Chicago, February 15, 1917.—Quotations on green and sweet pickled meats, f. o. b. Chicago, loose, are as follows:

Regular Hams.—Green, 8@10 lbs. ave., 18½c.; 10@12 lbs. ave., 18½c.; 12@14 lbs. ave., 18½c.; 14@16 lbs. ave., 18½c.; 16@18 lbs. ave., 18½c.; 16@18 lbs. ave., 16c.; 18@20 lbs. ave., 18½c.; 18@20 lbs. ave., 18½c.; 18@20 lbs. ave., 18½c.; 18@20 lbs. ave., 18½c.; 18@20 lbs. ave., 19½c.; 20@22 lbs. ave., 19½c.; 22@24 lbs. ave., 19c. Sweet pickled, 14@16 lbs. ave., 19½c.; 20@22 lbs. ave., 19½c.; 22@24 lbs. ave., 19½c.; 20@22 lbs. ave., 19¼c.; 22@24 lbs. ave., 18¼c.

Picnic Hams.—Green, 4@6 lbs. ave., 14¼c.; 26@8 lbs. ave., 18¼c.

lbs. ave., 18¾c.
Picnic Hams.—Green, 4@6 lbs. ave., 14¼c.; 6@8 lbs. ave., 14¼c.; 8@10 lbs. ave., 14¼c.; 10@12 lbs. ave., 14¼c.; 8@10 lbs. ave., 13¾c.; 6@8 lbs. ave., 13¾c.; 8@10 lbs. ave., 13¾c.; 6@8 lbs. ave., 13¾c.; 8@10 lbs. ave., 13¾c.; 10@12 lbs. ave., 13¾c.; 8@10 lbs. ave., 18¼c.; 10@12 lbs. ave., 18¼c.; 12@14 lbs. ave., 18c.; 14@16 lbs. ave., 18c.; 8@10 lbs. ave., 18v.; 14@16 lbs. ave., 18c.; 12@14 lbs. ave., 18v.; 10@12 lbs. ave., 18v.; 12@14 lbs. ave., 18v.; 10@12 lbs. ave., 18v.; 12@14 lbs. ave., 17v.; 14@16 lbs. ave., 18c.; 12@14 lbs. ave., 17v.; 14@16 lbs. ave., 17v.; ave., 171/2c.

PORK CUTS IN NEW YORK.

(Special Report to The National Provisioner from H. C. Zaun.)

New York, February 15, 1917.-Wholesale New York, February 15, 1917.—Wholesale prices on green and sweet pickled pork cuts in New York City are reported as follows: Pork loins, 23@24c.; green hams, 8@10 lbs. ave., 22c.; 10@12 lbs. ave., 22c.; 12@14 lbs. ave., 29c.; 18@20 lbs. ave., 29c.; green clear bellies, 6@10 lbs. ave., 19c.; 10@12 lbs. ave., 18½c.; 12@14 lbs. ave., 17½c.; green rib bellies, 10@12 lbs. ave., 17½c.; 12@14 lbs. ave., 17½c.; 8@10 lbs. ave., 16½c.; S. P. rib save., 17½c.; 12@14 lbs. ave., 12. Ipw. 12@14 lbs. ave. lies, 10@12 lbs ave., 17½c.; 12@14 lbs. ave., 17c.; S. P. hams, 8@10 lbs. ave., 19c.; 10@12 lbs. ave., 18½c.; 18@20 lbs. ave., 20c.; city steam lard, 16¾@16%c; city dressed hogs,

16%c.
Western prices on green cuts are as follows: Pork loins, 8@10 lbs. ave., 19@20c.; 10@12 lbs. ave., 18@19c.; 12@14 lbs. ave., 17@18c.; 14@16 lbs. ave., 16@17c.; skinned shoulders, 16@16½c.; boneless butts, 18@19c.; Boston butts. 17@17½c.; spareribs, 12c.; neck ribs, 3@4c.; lean trimmings, 17@17½c; regular trimmings, 14½@15c.; kidneys, 7c.; tails, 7@8c.; livers, 3c.; snouts, 6½@7c.; pig tongues, 15½c.

WELCH, HOLME & CLARK CO.

Office and Warehouse

383 West Street

New York City

CAUSTIC SODA COCOANUT OIL TALLOW

GREASE

SODA ASH PALM OIL **STEARINE**

COTTONSEED OIL EXPORTS

Exports of cottonseed oil reported for the week ending February 15, 1917, and for the period since September 1, 1916, were:

period since September 1, 1	Week	
	ending	Since
	Feb. 15,	Sept. 1,
	1917.	1916.
From New York-	Bbls.	Bbls.
Africa		937
Argentina		1,302
Bolivia		44
Brazil	. —	722
British Guiana		216 455
Central America		787
Cuba		7,304
Denmark		5,464
Dutch Guiana Ecuador		619
England		3,356
France		2,815
French Guiana		508 95
taly		700
Mexico	. 5	303
Netherlands		39,412 475
Newfoundland		10,265
Panama		1,200
Peru		1 247
San Domingo		1,347 500
South America, other		1,495
Sweden		11,100
Turkey in Asia		96 1,109
Uruguay Venezuela		13
West Indies, other	. 391	4.479
Total	. 1,196	97,309
From New Orleans-		
Cuba	100	1,404
Mexico		935
Norway		13,350
Panama	. —	760
West Indies		
Total	. 100	16,458
	. 100	20(1)0
From Philadelphia-		47
Argentina		47 5,847
Netherlands		442
Total	–	6,336
From Savannah-		
Netherlands		1,648
Netherlands		1,040
Total		1,648
From Michigan-		
Canada		21,103
Total	—	21,103
From Buffalo-		
	—	477
Canada		
Total		477
From St. Lawrence-		
Canada		647
Total		0.44
Total		647
From Dakota-		
Canada		1,709
Total		3 7704
		1,709
From Vermont-		
Canada	—	- 1
Total		1
From other ports-		
Mexico	_	
Total		

	week ending eb. 15, 1917.	Since Sept. 1, 1916.	Same period, 1915.
Recapitulation-	Bbls.	Bbls.	Bbls.
From New York	1,196	97,309	208,091
From New Orleans	100	16,458	64,894
From Galveston	-	_	2,074
From Baltimore	_	_	463
From Philadelphia	-	6,336	327
From Savannah	_	1,648	_
From Norfolk and			
Newport News	_		2,683
From Boston	-	_	2
From San Francisco	_	_	217
From Mobile	_	_	3,440
From Michigan	_	21,103	32,982
From Buffalo	_	477	7,411
From St. Lawrence	-	647	3,064
From Dakota		1,709	2,030
From Vermont	_	9	28
From other ports	_	7	
Total	1,296	145,703	327,706

SOUTHERN MARKETS

Columbia.

(Special Wire to The National Provisioner.)

Columbia, S. C., February 15, 1917.—Crude cottonseed oil, 82½c, bid; none selling. Meal market weaker. Hulls well sold up; mills asking \$17 per ton.

Memphis.

(Special Wire to The National Provisioner.)

Memphis, Tenn., February 15, 1917.—Prime crude cottonseed oil, 821/2c.; not much trading. Prime 71/2 per cent. meal dull at \$36@ 36.25. Prime hulls, \$16.50@17, loose; \$18@ 18.50, sacked.

New Orleans.

(Special Wire to The National Provisioner.)

New Orleans, La., February 15, 1917.— Prime crude cottonseed oil easier at 80c, for immediate or prompt tanks; 81c, for March, Texas offerings light. Prime meal, 8, per cent., lower at \$39.50; 7½ per cent., \$38; 7 per cent., \$36 per short ton. here. Hulls steady at \$16.75 loose, \$19.75 sacked, here.

Dallas.

(Special Wire to The National Provisioner.)

Dallas. Tex., February 15, 1917.—Prime crude cottonseed oil, 80c. for February, 81c. for March. Prime summer yellow nominally 85c. No quotations on prime loose cake, f. o. b. Galveston.

FOREIGN COMMERCIAL EXCHANGE.

New York, February 15.—Foreign commercial exchange rates, as far as quoted, are:

270374033	
Bankers' 60 days	4.71% 4.76% 4.75% @4.75% 4.75 4.70%
Commercial, 90 days	4.68%
Paris—	
Commercial, 90 days	No quotations, 5.901/4 5.86 5.833/4 5.843/4
Berlin-	
Commercial, sight	No quotations,
Bankers' sight	67%
Bankers' cables	68
Antwerp	
Commercial, 60 days	No quotations.
Bankers' sight	No quotations.
Bankers' cables	No quotations.
Amsterdam-	
Commercial, sight	40 7
Commercial, 60 days	40 A
Bankers' sight	40%
Copenhagen-	97 95

INTERSTATE RULES MEETING.

Secretary Robert Gibson of the Inter-State Cotton Seed Crushers' Association has issued the following notice concerning rules revision: Dallas, Tex., February 12, 1917.

To the Members of the Inter-State Cotton Seed Crushers' Association:

I beg to give you official notice that a meeting of the Rules Committee has been called at the Gayoso Hotel, Memphis, Tenn., March 26, 1917.

Fielding Wallace, chairman of the Rules Committee, has requested me to advise the members of the association that it will be in order for them to send to him, care of Planters Cotton Oil Company, Augusta, Ga., not later than March 16, twelve copies of each suggestion of change or amendment in the Rules you may desire to make.

Chairman Wallace will then furnish each member of the Rules Committee a copy of these recommendations, before the proposed meeting on the 26th of March, thereby giving the members of the committee ample time to study said suggested changes and amendments to the rules, and be prepared to discuss them at the meeting on the 26th.

I consider this a very important suggestion, and I trust you will give the matter your very serious and careful consideration. If any changes or amendments in the rules have been suggested to you during the season's operation, which you think would improve and clarify our rules, please immediately write out your recommendation and, as requested, send twelve copies to Mr. Wallace, at Augusta, by March 16. I shall be obliged if you will also at the same time forward one copy to me here.

It is, of course, desired that any of you who can do so will be present at the meeting in Memphis on March 26, and discuss with the committee the further perfecting of our rules. However, even though you expect to personally attend the meeting, please do not fail to send your written suggestions to Chairman Wallace as outlined above, so that the members of the committee may have ample time to study such recommendations and be prepared to discuss them at the meeting.

Very truly yours, ROBERT GIBSON, Sec. and Treas.

GEORGIA CRUSHERS' TRADING RULES.

Chairman Hutchinson of the Rules Committee of the Georgia Cotton Seed Crushers' Association has sent the following notice to members:

Macon, Ga., February 13, 1917.
To all members of the Cotton Seed Crusher.

To all members of the Cotton Seed Crushers' Association of Georgia:

I doubt not some of the members have, during the current operating season, discovered features of the rules which in their opinion should be amended, and probably some have in mind certain additions.

It is the purpose of the writer to call a meeting of the Rules Committee in the near future, for the purpose of giving consideration to all suggestions of the members. It is decided to call the meeting at this early date in order that all matters brought before the committee may receive most careful consideration before the annual meeting of the association.

Please, therefore, write me promptly. If you have no suggestions, please write to that effect, in order that I may know this communication reached you.

Yours very truly, W. M. HUTCHINSON, Chairman Rules Committee.

COTTONSEED OIL

WEEKLY REVIEW

THE NATIONAL PROVISIONER is official Organ of the Interstate Cottonseed Crushers' Association, the Texas Cottonseed Crushers' Association, South Carolina Cottonseed Crushers' Association, the Georgia Cottonseed Crushers' Association, and the Mississippi Cottonseed Crushers' Association.

Market Irregular—March Position Attracts
More Attention—Crude Oil Quiet and
Steady—Shipping Situation Somewhat
Improved—Speculation Still Quiet—Political Developments Being Awaited.

Another week has passed without much feature developing in the cotton oil situation. The political affairs of the country are regarded as too strained to warrant any material buying or selling of cotton oil except where necessary and in the way of hedges, and as far as can be learned even hedging operations are of small proportions. The comparatively lighter trade in the New York contract market certainly does not indicate important dealings, and the correspondingly small price changes warrant a similar deduction.

Increased attention is given to the March delivery at New York which is being traded in rather freely at times at a substantial premium over other deliveries. There has been talk of probable deliveries on March contracts at New York of 25,000 barrels, but conservatives do not expect such large tenders. For the past several months the deliveries in the New York market have been small, even though some of the months ruled at good sized premiums. Of course these pre-

miums could not be held indefinitely if supplies are pressing for sale which condition would render the New York market the most profitable outlet.

This last statement could hardly be consistent with present conditions inasmuch as the crude oil markets are quite steady at around 11 cents a pound in the southeast. Whether maintenance of crude oil prices at present is causing accumulations of crude oil and will work against future prices remains to be seen. Considering the scarcity of tank cars and the railroad congestion, also the higher shipping costs via coastwise steamers, there has been less evidence of selling pressure at crude oil centers than has been counted on. Incidentally these higher costs and the greater difficulties in moving crude oil have led refiners to declare that the differential under present conditions between New York and southern markets should be about 150 points as against 120 points figured on previously when cotton oil prices were under the 10 cent level, rather than over the 10 cent basis and when shipping was normal.

This 150 point differential naturally concerns the March position at New York. The opinion still prevails that soap makers will take in a fair amount of oil when deliveries are made on New York contracts. The en-

tire March position is a matter of opinion, and as far as can be learned refiners are on both sides of the month, while speculative interest has been reduced through short covering and liquidation.

General speculative trade is of small proportions. There has been little in the way of news to stimulate operations. Many are still awaiting the passing of the crisis with Germany, and in the meantime the belief prevails that war with Germany will mean higher prices for various food stuffs in the United States. If the government should take steps to place an embargo on food stuff exports from the United States, there would obviously be less chance for a rise in prices.

The shipping situation is viewed as more favorable. Belgium interests have given instructions on their products that were bought in the United States and shipments will proceed to Belgium. Likewise it is announced that sailings of Dutch steamers have been renewed. Recently some cotton oil that had been sold to Holland had been withheld from shipment so that this is now expected to go forward, and perhaps some fresh business with Europe will develop. The export cotton oil situation since the beginning of the season has naturally been unsatisfactory, however, and there were hopes of a sharp and con-

The ORIGINAL and still the LEADER



THE N. K. FAIRBANK COMPANY, Chicago

Factorie

New York New Orleans
Chicago St. Louis
Montreal

Branch Houses

New York Atlanta New Orleans
San Francisco Boston Pittsburg
Fort Worth St. Louis

Minneapolis Philadelphia Montreal tinued revival of business to make up for the lull of the past several months. Very few believe, however, that the exports of cotton oil will pick up impressively, even if safe shipping lanes are established from the United States to neutral countries of Europe, but such a procedure should conduce to lower shipping costs.

Closing prices, Saturday, February 10, 1917.—Spot, \$12.65; February, \$12.74@13; March, \$12.65@12.67; April, \$12.28@12.32; May, \$12.22@12.24; June, \$12.21@12.22; July, \$12.21@12.22; August, \$12.20@12.22; September, \$12.12@12.14. Sales were: P. Crude, S. E., 10.93, nom. February, 400, \$12.75; March, 2,300, \$12.65@12.60; May, 1,500, \$12.25@12.21; June, 100, \$12.23; July, 1,400, \$12.23@12.19; August, 300, \$12.20@12.19; September, 500, \$12.11@12.09. Total sales, 6,500 bbls.

Closing prices, Monday, February 12, 1917.

—Holiday.

Closing prices, Tuesday, February 13, 1917.

—Spot, \$12.70; February, \$12.70@13.50; March, \$12.67@12.70; April, \$12.33@12.36; May, \$12.27@12.28; June, \$12.26@12.28; July, \$12.26@12.28; August, \$12.25@12.27; September, \$12.17@12.25. Sales were: P. Crude, S. E., 11.00, nom. February, 100, \$12.85; March, 5.400, \$12.71@12.65; May, 4,600, \$12.30@12.25; June, 100, \$12.23; July, 2,400, \$12.25@12.22; September, 100, \$12.12. Total sales, 12,700 bbls.

Closing prices, Wednesday, February 14, 1917.—Spot, \$12.60; February, \$12.65@ 12.70; March, \$12.60@12.61; April, \$12.28@ 12.33; May, \$12.29@12.30; June, \$12.27@ 12.30; July, \$12.26@12.30; August, \$12.24@ 12.25; September, \$12.15@12.17. Sales were: February, 700, \$12.89@12.70; March, 8,900, \$12.65@12.56; May, 7,700, \$12.30@12.20; July, 700, \$12.23@12.16; August, 200, \$12.25 @12.21; September, 500, \$12.17@12.08. P. Crude, S. E., 11.00, nom. Total sales, 18,700

SEE PAGE 29 FOR LATER MARKETS.

CHEMICALS AND SOAP SUPPLIES.

(Special Report to The National Provisioner.)

New York, February 16.—Quotations on chemicals and soapmakers' supplies are as follows: 74@76 per cent. caustic soda, $4\frac{1}{4}$ @ $4\frac{1}{2}$ per lb.; 60 per cent. caustic soda, $4\frac{1}{4}$ c. per lb.; 98 per cent. powdered caustic soda, $4\frac{1}{4}$ @ $4\frac{1}{2}$ c. per lb.; 48 per cent. bicarbonate of soda, 3c. per lb.; talc, $1\frac{1}{2}$ @ $1\frac{1}{4}$ c. per lb.; 58 per cent. soda ash, $3@3\frac{1}{4}$ c. per lb.; chloride of lime in bbls., $5\frac{1}{2}$ @6c. per lb.; chloride of lime in casks, — per lb.; silex, 2,000 lbs., \$15@20 per ton.

Prime palm oil, 13½c. per lb.; clarified palm oil, 15c. per lb.; genuine Lagos palm oil in casks, 14c. per lb.; palm kernel oil, 15@ 16c. per lb.; yellow olive oil, \$1.45@1.50 per gal.; green olive oil, \$1.30 per gal.; Ceylon cocoanut oil, 15@15½c. per lb.; Cochin cocoanut oil, 19@20c. per lb.; green olive oil foots, 11½@12c. per lb.; cottonseed oil, \$1.05 per gal.; soya bean oil, 12@12¼c. per lb.; corn oil, — per lb.; peanut oil, soapmakers, 5 per cent acidity \$1.211 per gal.

oil, — per lb.; peanut oil, soapmakers, 5 per cent. acidity, \$1@1.11 per gal.

Prime city special tallow, 12c. per lb.; brown grease, — per lb.; dynamite glycerine, 51@53c. per lb.; saponified glycerine, 40c. per lb.; crude soap lye glycerine, 36½c. per lb.; chemically pure glycerine, 53@56c. per lb.

THE PICARD-LAW COMPANY

Expert Cotton Seed Products Chemists

Magnificently-equipped laboratories covering 5,500 square feet of floor space. Six highly-educated experienced chemists in analytical department.

Also specialists in the analysis of all GREASES, PACKING HOUSE PRODUCTS, FERTILIZERS, Fuel, lubricating oils and boiler waters.

Main Laboratories,

ATLANTA, GA.

Carolina Branch, WILMINGTON, N. C.

PRESENT AND FUTURE LAND VALUES IN SOUTH

Will Be Country's Most Productive Area for the Future

By J. M. Purdom, Jr., B. S. A.

(EDITOR'S NOTE,—In a recent issue of The National Provisioner there appeared an exhaustive discussion of the possibilities of the South as a source of meat production, by President A. M. Soule, of the Georgia College of Agriculture, the leading authority on that subject. Georgia appears to be the leader in productive development in the South in a practical way, and the following article by a Georgian on the land phase of the question will be of interest.)

As is well known, the price of any commodity is fixed by the available supply and the demand for such commodity. In the South, as was the case a short time ago in the West, the available supply of land is greater than the present demand. Though lands in the South are increasing very rapidly in value, land values are still, comparatively speaking, very low, for the reason that their productive value has not been generally appreciated throughout the other sections of our country.

An unfortunate series of circumstances in the development of our country is responsible for this situation. In the days of slavery the production of cotton in the South was very profitable. The natural result of conditions at that time was that there should be large plantations, worked by large gangs of slave labor, for the production of cotton.

At this period it seems slave labor served the purpose in the South, which improved machinery served in other sections, and while in all other sections great progress was registered in the improvement of agricultural machinery and methods, the South's primitive methods and tools remained largely the same.

During the Nineteenth Century the great floods of immigrants to this country refused to settle in sections where they had to compete with slave labor, and experience more or less of the social degradation attending individual labor. As a result, the fertile lands and splendid climate of the South were avoided, and the settlers went to the West.

After the Civil war, and the emancipation of the slaves in the sixties, the plantation owners of the South were bankrupt. The South

was without financial resources. The negro labor was shiftless, irresponsible, lazy and ignorant. It is impossible to describe the tremendous odds which the South has had to overcome in her agricultural development.

The first step in this development was the breaking up of the large plantations, and the cultivation of the land in small units with negro teants. With a low class of labor, the deadly on e-crop habit became fastened upon the Sout't. One-crop farming, wherever it has obtained a old, has ultimately resulted in poverty, ignorance and want. The South fell no prey to this deadly habit—and raised cotton exclusively.

Immigration Since the War.

Contemporaneously with the agricultural development of the West, the great manufacturing industries of the East and North were developed. Since the war immigration has been almost exclusively through the Northern ports, and these industries, together with the great trunk lines from the North to the West, and the vast areas of cheap and free land in the West, have continuously diverted settlement from the South.

Free lands and cheap lands in the West have practically disappeared. It is in the South today where are the lands to which the excess population of the North and East and West must move. And, it may be stated here, these lands possess the greatest potential possibilities of any lands in the Nation.

Prices being fixed by the inexorable law of supply and demand, today very valuable agricultural land in the South can be bought at prices far below its productive value. In a very few years, it is probable, these lands will be difficult to obtain at any price.

The South's Agricultural Development.

We are now in the second stage of the South's agricultural development. This is the

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COTTONSEED OIL

Boreas, Prime Winter Yellow Venus, Prime Summer White Jersey Butter Oil Aurora, Prime Summer Yellow

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Puritan, Winter Pressed Salad Oil White Clover Cooking Oil Marigold Cooking Oil Sterling, Prime Summer Yellow

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Will be pleased to quote prices on all grades of Refined Cotton Seed in barrels or loose in buyers or sellers tank cars, f. o. b. refinery or delivered anywhere in this country or Europe.

stage marked by the dissemination of agricultural education, by the introduction of improved farm implements, by the diversification of crops, and the application of the science of crop adaptation in the South.

There is today, unprecedented attention being given to agricultural development, both on the part of Federal and State and County agencies, also by farmers, bankers, business men and all of the various organs of the publie press.

In this connection, we will mention one lesson which may be drawn from the present war in Europe: In the last analysis, it is Germany's highly-developed agricultural resources which have enabled her to wage her present war. Two years of stringent blockade has not starved her out. We take it that the present policy of our Nation to encourage and foster agricultural development is a policy which will remain permanent regardless of party affiliation.

As a result of this policy, there are three laws, only recently enacted: (1) Smith-Lever Farm Demonstration Law. (2) Rural Credits Law, and (3) Federal Good Roads Law.

Farm Demonstration Work.

Under the Farm Demonstration Law. county agents, cooperatively employed by the States and counties and by the U.S. Department of Agriculture, are placed in each county which desires this service. These agents, both men and women, bring to the individual farmers the best information obtainable regarding farm practices and methods, and home management.

In the South the demand for these agents has been so great that it is frequently impossible to supply agents to counties desiring them, and such counties often have to wait for some time after they have raised their part of the money for the salary, and are ready for a county agent, because the demand for suitable, trained agriculturists is at present greater than the supply. This gives some indication of the attitude of the South as regerds progress in agricultural matters.

Under the Rural Credits Law it will be possible for individual farmers to secure capital for productive purposes on long term loans and most favorable interest rates. This will

help the South more than other sections of the country, because the lack of capital has been a more serious handicap to agricultural development in the South than in other sec-

The Federal Good Roads Law will be a great factor in making possible a uniform system of good roads, for which a strong sentiment and desire has crystalized in all parts of the country. More good roads have been built in all parts of the South during the past five years than ever before in the history of the country, and it is an assured fact that the next five years will witness greatly augmented road building accomplishments.

Rural free delivery and Parcel Post service have greatly benefited all farmers. A large proportion of the farmers in the South now own automobiles.

What May We Expect?

There can be but one conclusion arrived at from a careful consideration of this situation. As the farming class is educated as to better and more profitable systems of farming and farm management, and the conditions under which they work and live are improved, agricultural life will be lifted to a higher and more satisfactory plane of living, and the value of all agricultural property will be greatly enhanced.

After a careful study of reported conditions in all parts of the country, it is our candid judgment that the South will benefit more than any other section. We believe that we are on the eve of a period of agricultural activity and development in the South, the like of which has not occurred in our nation.

The Smith-Lever Bill has been given a good demonstration in Georgia, in which State the writer was raised and educated. In May, 1915, there were in Georgia alone 115 county agents, 73 men and 42 women. The farms in the State of Georgia which cooperated with

Cottonseed Products Associations.

INTER-STATE COTTON SEED CRUSHERS' President, George W. Covington, Haslehurst,

Vice-President, Fielding Wallace, Augusta, Secretary-Treasurer, Robt. Gibson, Dallas, Texas.

ALABAMA COTTON SEED CRUSHERS ASSOCIATION.

President, Cadwalader Jones, Osark.
Vice-President, L. M. Porter, Birmingham.
Secretary-Freasurer, C. E. McCord, Prattville.

ARKANSAS COTTON SEED ORUSHERS'

President, W. B. Mann, Marianna. Vice-President, W. W. Boyd, Magnella. Secretary, P. F. Cleaver, Arkadelphia. Treasurer, Aifred Kahn, Little Rock.

GEORGIA COTTON SEED CRUSHERS'
ASSOCIATION.

President, Henry C. Brown, Augusta. Vice-President, W. M. Hutchinson, Macon. Secretary-Treasurer, E. P. Chivers, Atlanta.

LOUISIANA COTTON SEED CRUSHERS ASSOCIATION.

President, George C. Hauser, New Orleans. Vice-President, J. E. Byram, Alexandria. Secretary-Treasurer, Bryan Bell, New Orleans.

MISSISSIPPI COTTON SEED CRUSHERS ASSOCIATION.

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NORTH CAROLINA COTTON SEED CRUSHERS' ASSOCIATION.
President, Jonathan Havens, Washington.
Vice-President, F. O. Dunn, Kinsten.
Secretary-Treasurer, H. A. White, Greenville.

OKLAHOMA COTTON SEED CRUSHERS' ASSOCIATION.

President, E. I.s. Richardson, Temple. Vice-President, E. Cook, Guthrie. Secretary-Treasurer, J. H. Johnston, Okla-homa City.

SOUTH CAROLINA COTTON SEED CRUSH-ERS' ASSOCIATION.

President, J. B. Caldwell, Campobello, Vice-President, Russell Acree, Darlington, Secretary, B. F. Taylor, Columbia, Assistant Secretary, W. B. West, Columbia.

TEXAS COTTON SEED CRUSHERS'

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Oils Hardened to Order

The American Oil Treating and Hardening Co. CINCINNATI, OHIO, U.S.A.

these agents, and followed their instructions. made average yields per acre as follows: 40.1 bu. corn, 1,315 lbs. seed cotton, 52 bu. oats.

During the same year, the average production per acre of all the farms in the State was as follows: 14.0 bu. corn, 236 lbs. lint cotton, 20 bu. oats; 236 lbs. lint cotton is equivalent to 708 lbs, seed cotton.

The figures given above, obtained in so short a time, must not be taken to represent the extent to which improvement is possible. The vields of corn obtained in the South by boys in the corn clubs have never been equalled, and can never hope to be equalled by the corn club boys of the North or West.

Last year in the South more attention was given to the saving and use of barnyard manure than ever before, to better cultivation, and to proper rotation of crops. Efficiency in these practices cannot be obtained in a year. and the good results from them are not at all demonstrated in a season. But as the practices are continued, and the good effects become accumulative, yields will be increased regardless of the supply of commercial fertilizers, and the cost of production is certain to be lowered.

On April 15, 1916, the U.S. Department of Agriculture issued figures regarding the estimated value per acre of farm lands. It summarizes this report as follows: "The percentage increases in value of farm lands in the past year by sections of the United States are: . . . South Atlantic States 19 per cert. . . . entire United States, 11.5 per cent."

In arriving at these figures the Government found the average value of all farm lands, without improvements, in the South Atlantic States to be \$20 per acre, and with improvements, \$33.06 per acre; i. e., at the beginning of the year 1915. It is not out of place to state that where investigations and purchases are carefully made, it is possible to obtain first-class agricultural land in the South at prices under these.

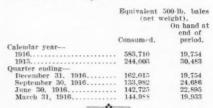
However, supply and demand regulate price, and unless we are greatly mistaken, a few years hence will mark the end of low-priced lands in the South.

LINT COTTON IN EXPLOSIVES.

During the three months ending December 31, 1916, there were 81,007,539 pounds of bleached cotton fiber, including linters and hull fiber, consumed in the United States in the manufacture of guncotton and explosives of all kinds. This quantity was equivalent to 162,015 bales of 500 pounds each and compares with 133,982 bales, 142,725 bales, and 144.988 bales for the quarters ending September 30, June 30, and March 31, respectively. There were 583,710 bales of bleached cotton fiber consumed in the manufacture of explosives during 1916 and 244,003 bales during 1915. The quantity of bleached cotton fiber held in establishments engaged in this manufacture on December 31 amounted to 9,876,-772 pounds, equivalent to 19,754 bales.

The loss in preparing linters and hull fiber from the wrapped and iron-bound bale to the purified material, as used in nitration, is from 30 to 40 per cent., depending on the condition of the raw fiber, some stock being quite clean and some very trashy. Based on an average loss of 35 per cent., the gross weight of unbleached cotton fiber used in the manufacture of explosives during the three months ending December 31 was 249,254 equivalent 500-pound bales, and during 1916, 898,015 bales.

Cotton fiber (bleached) consumed in the manufacture of explosives:



SOAP COMBINATION IN ENGLAND.

It is reported from London that a \$3,000,-000 limited liability corporation has recently been chartered in England to carry on the business of soap and candle makers, seed crushers, margarine manufacturers and dealers, manufacturers, refiners, preparers, treaters and hardeners of and dealers in oil seeds, oil, fat, tallow, glycerine, cattle food and oleaginous, fatty or saponaceous substances, and all kinds of unguents and ingredients of soap, candles, margarine and similar substances.

The corporation, which is to be known as the China Soap and Candle Company, Ltd., is to adopt an agreement with Joseph Crosfield & Sons, Ltd.; William Gossage & Sons, Ltd.; Price's Patent Candle Company, Ltd., and Price's (China), Ltd. The signatories (each with one share) are: Hohnan Kingdon, Hill Crest, Frodsham, Ches., director of Joseph Crosfield Sons, Ltd.; Giles Hunt, Dingle Bank, Lymm, Ches., solicitor, director of Wm. Gossage & Sons, Ltd.; Chas. Radburn, Belmont Works, Battersea, S. W., general manager of Price's Patent Candle Company, Ltd., and Price's (China). Ltd.

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THE WEEK'S CLOSING MARKETS

FRIDAY'S GENERAL MARKETS. Lard in New York.

New York, February 16 .- Market steady; prime Western, \$17.10; Middle West, \$16.90 @17; city steam, 167/8@17c. nom.; refined Continent, \$18; South American, \$18.25; Brazil, kegs, \$19.25; compound, 13\%@14\4c. nom.

Marseilles Oils.

Marseilles, February 16.—Copra fabrique, 1961/2 fr.; copra edible, - fr.; peanut fabrique, 1951/2 fr.; peanut edible, - fr.

Liverpool Produce Market.

Liverpool, February 16 .- (By Cable.)-Beef, extra India mess, 210s.; pork, prime mess, 155s.; shoulders, square, 110s. 9d.; New York, 102s.; pienie, 91s.; hams, long, 119s.; American cut, 124s.; bacon, Cumberland cut, 123s.; long clear, 120s.; short back, 121s.; bellies, clear, 125s. Lard, spot prime, 117s.; American, refined, 28-lb. box, 126s.; May, 123s. Lard (Hamburg), nom. Tallow, prime city, 49s.; New York City special, not quoted. Cheese, Canadian finest white, new, 156s. Tallow, Austrian (at London), 54s. 6d.

----FRIDAY'S CLOSINGS.

Provisions.

Trading was quiet with values a little lower on the liberal hog movement and lighter speculative demand.

Tallow.

Prices are very steady with good demand. Offerings are well absorbed. Special loose quoted at 12c.

Oleo Stearine.

Trade is light with the market showing a continued firm tone. Oleo quoted at 13@ 131/4c. asked.

Cottonseed Oil.

The market showed an easier tone. Trading was fairly active, and with the lower lard market prices receded.

Market closed steady. Sales, 8,700 bbls. Spot oil, \$12.45 bid. Crude, Southeast, \$10,87 sales; Valley, \$10.80 nom.; Texas, \$10.53 nom. Closing quotations on futures: February. \$12.40@12.70; March, \$12.45@12.49; April, \$12.18@12.20; May, \$12.18@12.20; June, \$12.16@12.22; July, \$12.16@12.18; August, \$12.15@12.17; September, \$12.06@12.10.

---FRIDAY'S LIVESTOCK MARKETS.

Chicago, February 16.-Hogs slow, 5c. lower. Bulk of prices, \$12.10@12.30; light, \$11.60@12.25; mixed, \$11.95@12.35; heavy, \$11.95@12.40; rough heavy, \$11.95@12.05; Yorkers, \$12.05@12.15; pigs, \$9.40@10.05; cattle, quiet and weak; beeves, \$7.85@12; cows and heifers, \$5.20@10.40; Western, \$7.85 @10.25. Calves, \$9.75@14; sheep, slow; lambs, \$12.40@14.75; Western, \$11.20@12; native, \$11@11.80; yearlings, \$12.15@13.75.

Omaha, February 16 .- Hogs lower, at \$11.40@12.25.

Buffalo, February 16.-Hogs lower; on sale, 4,000, at \$12.75@12.90.

Kansas City, February 16 .- Hogs slow, at \$11.20@12.35.

St. Joseph, February 16.-Hogs slow, at \$11.85@12.47.

Sioux City. February 16.-Hogs weak, at \$11.65@12.25.

Louisville, February 16 .- Hogs lower, at \$11.35@12.40.

Indianapolis, February 16.-Hogs steady, at \$12.65@12.75.

St. Louis, February 16 .- Hogs steady, at \$12,25@12.55.

PACKERS' PURCHASES

Purchasers of livestock by packers at principal centers for the week ending Saturday, February 10, 1917, are reported as follows:

Chicago.		
Cattle.	Hogs.	Sheep.
Armour & Co 7,761	23,100	24,354
Swift & Co 5,106	20,200	22,234
Wilson & Co 4.057	11,700	7,155
Morris & Co 4,718	10,400	6,613
G. H. Hammond Co 2,624	10,500	
Libby, McNeill & Libby 2.007		
Anglo-Amer. Provision Co 656	9,600	
Pord Innham & Co 5 000 hors:	Wortown	Dacking

Boyd, Lunham & Co., 5,000 hogs; Western Packing & Provision Co., 9,500 hogs; Miller & Hart, 2,500 hogs; Roberts & Oake, 3,800 hogs; Brennan Packing Co., 6,000 hogs; Independent Packing Co., 7,800 hogs; others, 15,800 hogs.

Kansas City. Armour & Co. Cattle. Armour & Co. 4,711 Fowler Packing Co. 6,48 Wilson & Co. 5,556 Cudaby Packing Co. 2,739 Morris & Co. 3,684 Others 148 Cattle. Hogs. 11,360 6,519 2,020 3,034 4,925

	Cattle.	Hogs.	Sheep,
Morris & Co	2,636	18,268	7,601
Swift & Co	5,161	24,511	15,035
Cudahy Packing Co	4.820	26,726	10.488
Armour & Co	5.026	28,525	17.469
Swartz & Co	***	8,033	
J. D. Murphy	***	20.142	

Lincoln Packing Co., 90 cattle; South Omaha Packing Co., 71 cattle; John Morrell & Co., 65 cattle; Sinclair & Co., 13 cattle.

St. Louis. Cattle.

Siou	x City.		
	Cattle.	Hogs.	Sheep.
Armour & Co		17,442	
Cudahy Packing Co		21,462	
Swift & Co	T 000	10,398	* * *

St. Louis Independent Packing Co., 606 hogs; Statter & Co., 61 cattle; Roberts & Oake, 592 hogs; St. Louis Independent Packing Co., 606 hogs; R. Hurni Packing Co., 150 cattle.

SLAUGHTER REPORTS

Special reports to The National Provisioner show the number of livestock slaughtered at the following centres for the week ending February 10, 1917:

Chicago

Kansas City	
Omaha	
East St. Louis	
St. Joseph	
Cudahy	448
Sloux City	4,312
New York and Jersey City	8,395
Fort Worth	8.151
Denver	1.541
Oklahoma City	5.621
HOGS,	
Chicago	137,662
Kansas City	55,781
Omaha	77,391
East St. Louis	54,655
St. Joseph	51,953
	5,551
Sioux City	38,544
Ottumwa	13,479
Cedar Rapids	12.897
New York and Jersey City	25,097
Fort Worth	32,404
Denver	11,226
Oklahoma City	18,632
SHEEP.	
Chicago	59,002
Kansas City	22,446
Omaha	41,454
East St. Louis	4.334
St. Joseph	
Cudahy	106
Sieux City New York and Jersey City	3,568
New York and Jersey City	
Fort Worth	5,050
Denver	
Oklahoma City	461

RECEIPTS AT CENTERS

RECEIP IS AT	CE	NIERS	264
SATURDAY, FEBR	UARY	10, 1917.	
	cattle.	Hogs.	Sheep.
Chicago	1,000	21,000	4,000
Kansas City	100	1,000	
Umana	300	13,000	1,000
St. Louis	500 100	8,500	500 200
St. Joseph	500	3,000 12,000	300
St. Paul	750	3,000	9,000
Oklahoma City	150	1,100	200
Sloux City St. Paul Oklahoma City Milwaukee	25	300	
Denver	300	150	470
Louisville	300 130		50
Indianapolis	100	3,000 1,500	100
Cincinnati	300	1.800	
Buffalo	50	4,000	1,200
Cleveland New York	100	1,500	200
Toronto, Canada	450 166	1,914 828	952 18
Toronto, Canada	100	040	18
MONDAY, FEBRU	UARY 1	12, 1917.	
Chicago	21,000	21,000	18,000
Kansas City	15,000	1,000	11,000
Omaha		12,000	
St. Louis	6,900	8,000	450
St. Joseph	2,500	2,000	2,500
St Paul	2,500	15,000 12,300	7,200
St. Paul	$\frac{4,100}{1,300}$	1,600	200
Fort Worth	4,000	800	300
	100		
Denver	2,450	1,400	2,500
Louisville	1,200	5,600 420	200
Wichita		1.499	
Indianapolis	1,350	3.000	200
Pittsburgh	1,500	5,000	2,000
Cincinnati	3,100	8,100	300
Buffalo	1,400 1,000	6,500 1,000	4,000
New York	21,000	73,000	2,000 18,000
			40,000
TUESDAY, FEBR	UARY	13, 1917.	
Chicago	8,000	33,000	13,000
Kansas City	11,000		14,000
Omaha	8,900	30,000	16,000
St. Louis St. Joseph Sloux City St. Paul Oklahoma City Fort Worth Milwankoe	6,200 $2,500$	21,000 12,000	1,600 5,000
Sioux City	2.000	16,000	600
St. Paul	3.000	9,000	300
Oklahoma City	1,000	3.000	
Fort Worth	4.500	4.000	100
Milwaukee	800 100	2,400 4,500	5,300
Louisville	300	1 200	500
Detroit		1,376	
Cudaby		2,500	
Indianapolis	1.300	5,346 7,000	100
Pittsburgh	1.000	1.500	300
Cincinnati	500	2.800	
Buffalo	350	6,400	1,400
Buffalo	500 850	1,000 1,508	200 1,260
Toronto, Canada	698	647	114
Toronto, Cumua Tittiti	000	041	112
WEDNESDAY, FEE	BRUAR	Y 14, 1917.	
Chlores	1= 000	46 000	15 000
Chicago	6,000	46,000 12,000	15,000 9,500
Kansas City	5,400		9,500 13,700
St. Louis	4,000	12,000	2,800
St. Joseph	2,200	5,000	2,000
Sloux City	2,500		600 500
St. Paul Oklahoma City Fort Worth Milwaukee	2,700 2,200	- 14,000 2,200	900
Fort Worth	4,100	6,000	000
		4.266	
Denver	600	800	4,500
Louisville	200	1,200	50
Detroit		400	
Wichita		2.141	
Indianapolis	1.500	6,000	
Fittsburgh		1,500	300
Cincinnati	Star		1,000
		1.000	600
New York	2.090	5,890	1.545
Toronto, Canada	598	930	87
minung in the	DELLE		
THURSDAY, FEB			
Chiengo	7,000	40,000	18,000

Chicago 7,000 40,000 Cansas City 1,500 6,000

Omaha	3,400	24,000	18,600
St. Louis	2,500	12,500	1.200
St. Joseph		9,500	1.000
Sioux City	1.800	17,000	1.000
St. Paul		12,000	
Oklahoma City	600	1,300	
Fort Worth	2,500	4.800	
Milwaukee		1.909	
Louisville		1.200	
Detroit		2.170	
Cudaby		1.000	
Wichita		1.726	
Indianapolis		7,000	
Cincinnati	800	4.156	100
Buffalo	200	4,800	3,000
Cleveland		1.000	24000
New York	690	1.972	2,158

FRIDAY, FEBRUARY 16, 1917.

Chicago 2,500	30,000	7,000
Kansas City 700	2,000	2.000
Omaha 800	13,000	6,600
St. Louis 700	10,000	700
St. Joseph 500	4,000	1.000
Sloux City 1,400	12,000	500
Fort Worth 2,500	3,500	1,000
St. Paul 3.000	3,200	500
Oklahoma City S00	1.300	

HIDE AND SKIN MARKETS

Business in packer hides was again at a standstill. Tanners made numerous inquiries and low bids, but killers feel sure of their position and have rejected bids even though involving clearance of accumulations. The country market is moderately active at steady rates. More business could have been booked at the same prices if dealers had cared to go further ahead on deliveries. Buffs and heavy steers were the principle sellers. Extremes are quiet owing to being sold out.

Chicago.

PACKER HIDES .- Business was again at a standstill in packer hides. Buyers continue their demands for concessions while sellers are firm for their former ideas of value. Tanners displayed a little more interest late in the week, making bids and inquiring for all the native selections. Native steers were quiet. Bids at 30c. were rejected for large lines of product and bids at 31c. were refused for odd car lots throughout the week. Bids at 29c. were refused for extreme native steers. Killers demanded 32c. for the heavy end and wanted 31c. for the extremes. The rumored movement of light cows at 301/2c. was said to include a few extreme light native steers. Texas steers were not inquired for. This selection is in meager supply and quoted out at last trading rate of 32c. for heavy end and 31c. for the underweights. Buyers think some concessions should be granted, but sellers are adamant. Butt branded steers were slow. Moderate stocks are held awaiting buyers. Nominal market is considered about 31c., which rate was recently realized for some second handed goods. Killers generally ask 311/2c. for this selection. Colorado steers are slow. Moderate stocks are held. Killers generally talk 31c., but buyers think prices should be lower. Branded cows are quiet. Last sales were at 31c. which is the general asking figure for further business. Available stocks are small. Heavy native cows are quiet. No inquiries reported. Stocks are well in hand, although production is picking up considerably. Nominal market is considered about 31c. with most sellers talking more money. Light native cows were rumored sold at 301/2c. with some extreme light native steers in connection. A car was said to have moved. Most sellers continue to ask the prior sale rate of 31c. Available stocks are moderate. Native bulls were quiet. Nominal market is considered at 25@ 26c. with small stocks unsold and production, limited. Branded bulls were also quiet and quoted nominal at 23@25c., with inside last paid for heavy northerns and outside for light average southerns. Bids as low as 21c. for northerns were recently rejected.

COUNTRY HIDES.-About ten thousand country hides changed, with about half the demand going into steers, both heavy and light weights. Most western buyers are taking the buffs and heavy cows when sold and stand ready to take on further lines of these weights if available. Heavy steers sold at 25c. for current receipts and a car running back brought 26c. Steers in weights down to 50 lbs. sold at 25c. early in the week. A car of straight light. steers 50@60 lbs. brought 24c. and another moved at 241/2c. Bids at 251/2c. and also at 231/c, were made for steers, and rejected, the inside for current quality and the outside for stock running back a trifle. Heavy cows sold at 23c. for a couple of cars of current stuff running well for ones. A car of current receipt heavy cows moved at 22c, the former low rate, for next month's shipment. Available stocks are meager and dealers are inclined to talk more money on next sales. Buff weights sold at 221/2c. for a car of current quality hides for March delivery. Bids at that price for a lot of 5.000 hides was rejected and 2c. asked. Bids at 23c, were made for hides running well for ones and rejected, with 24c, demanded. Last sales of similar hides were at 231/2c. No seconds were moved. Minneapolis reported business in a couple of cars of heavy hides over 45 lbs. in weight at 221/2c., which is in line with former business. Receipts in the northwest are small owing to bad weather. The situation in other sections of the country is steady, with business in all weights of seasonable hides as to quality at 211/2@231/2c. Movement from western points at 221/2c. reported, while 23@231/2c. was paid lately in the northwest. Extremes were quiet. The local market is sold out on this selection and very little demand is noted on this account. Nominal market is considered at 261/2@27c. for current quality. Branded cows were not moved. Last trades were at 21c. which is still considered the nominal market for further business. Country packer branded hides are quoted changed at 23@261/2c. as to varieties and sections. Bulls were quiet. Last trades were at 20c. More bulls are available at that figure and buyers are uninterested. Some prior sales were effected at 19c., which is the ideas on next trades. Country packer bulls are quoted quiet and unchanged at 21@22c. nominal. Inside was recently paid. Kipskins are quiet. Buyers are seemingly uninterested in these skins, mainly on account of poor quality. Local country collections quoted at 261/2@28c. nominal with the outside last paid a few weeks ago. Sales from originating section were nut through at 25c. City skins last sold at 31c. Market closely sold. Packers continue to talk 45@50c. for their kipskins.

CALFSKINS were inquired for but no new business was put through. Local city calfskins are well booked up at 38c. Outside city skins of good quality quoted at 38c. Country run last sold at 35c. A car of Minneapolis calfskins brought 35c. delivered basis. Packer calfskins are still held at 60c. One of the big four moved his supplies to own tanning account. Deacons are quoted at \$2.75@2.80 and light calf at \$2.95@3 for country run last paid. City kill last sold at \$2.95@3.15, respectively.

HORSE HIDES sold at \$9 for a small car of common country run, while a car of similar hides from an outside point sold as low as \$8.50. Local sellers are still trying for \$9.25 @9.50, but it is believed they would accept \$9 if bid. Buyers who formerly were interested in hides at about \$9, have withdrawn from the market altogether until the foreign situation clears. Seconds are quoted at the usual \$1 reduction with the ponies and glues out at \$3.25@4.25 and coltskins at \$1@2 nominal.

HOGSKINS are steady. Bids at \$1.10@ 1.45 noted and up to \$1.50 asked for country run, with rejected pigs and glues out at half price. No. 1 pigskin strips quoted 11@11½c.; No. 2's at 10@10½c., and No. 3 strips at

7c. as to measurements.
SHEEP PELTS.—Business of good productions and at stronger prices was put through as expected. Local and choice river sheep and lambskins of current slaughter sold at \$3.75, an advance of 25c. Good river market skins brought \$3.60 and poorer quality sold down to \$3.55. Choice slaughtering points are held up to \$4. Available stocks of sheepskins are small and a good demand is around for every-thing as fast as available. Pickled skeepskins are selling well with ordinary quality moving in a range of \$18@19 per dozen. Packer angora goatskins quoted quiet at \$3@3.50 asked and common goats at \$1.75@2. Dry goatskins quoted at 50c.@\$1 as to varieties. Dry westquoted at 50c.@\$1 as to varieties. Dry west-ern sheepskins quoted at 29@31c. last paid as to varieties: outside for best light weight

New York.

COUNTRY HIDES .- The market continues quiet with a few sales reported from the west and occasional lots sold here. Conditions are about the same as they have been for weeks past. Ohio extremes are nominally quoted at 26@29c. and good Ohio buffs at 231/2c. Shippers in many instances are holding firm, and are not pressing for sales. On the other hand, tanners are holding off and when bids are made they are so far under shippers' views that no trading is effected. About 750 western hides, 25 lbs. and up, running back to fall salting, sold at 22% c. A car of extremes, 25@45 lbs., sold at 27c. for firsts and 26c. for seconds. Two thousand western steers, 50@60 lbs. average, sold at 241/2c. A bid of 221/2c. was declined for a car of good western buffs. About 1,200 Ohio buffs nearly all No. 1's was offered at 23c. A car of good Ohio extremes was offered to a tanner here at 28c. A bid of 1c. under was declined. New England, New York State and Pennsylvania all weight hides are offered in various lots at prices ranging from 211/2@23c. One lot of about 450 New England all weights sold at 211/2c. flat. Several lots of eastern hides from 200-500 hides each have sold at prices running from 211/2@221/2c. flat. A car of Pennsylvania hides 25 lbs. and up September-October-November salting was offered at 23c. A bid of 201/2c. for a small car of New York State all weight hides was declined. Southerns are quiet. There are fair sized stocks on hand and shippers report a little more inquiry this week. Prices are nominal. Far Southerns are quoted (Continued on page 43.)

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LIVE STOCK MARKETS

CHICAGO

(Special Letter to The National Provisioner from the National Live Stock Commission Co.)

Union Stock Yards, Chicago, Feb. 14.

Owing to the fact that the storm centers have been cleared up and the supply of cars more plentiful, the first two days of this week showed a liberal supply of cattle, being 29,860 head; in fact, the seven markets of the country showed an increase of 32,000 head more than a year ago, which naturally had a somewhat depressing effect upon the trade, and prices ruled 15@25c. lower on the Chicago market; this in addition to the weakness shown at the close of last week. Another factor was the prediction of 19,000 to 20,000 cattle on Wednesday, which would give the buyers an opportunity to fill their orders at reduced prices. But, contrary to general expectations, Wednesday's receipts were only around 14,000. Some tradesmen, who suffered most on Monday's and Tuesday's decline, considered Wednesday's market strong to 10c. higher, but, summing up the three days' trade, prices will not show a decline of over 15@25c. The top of Wednesday's steer market was 12c.; prime steers, quotable, \$12@12.25; choice, \$11.50@12; good to choice, \$10.50@11.25; medium to good, \$9.75@10.50, and fair to medium,

Practically the same condition as outlined in the steer section applies to the butcherstuff market, with the exception that proportionately prices are considerably higher. There never was a time when all kinds of she-stuff saw such high prices. The proportion of the receipts this week has been running largely to steers, which accounts in a measure for the depression in the steer trade and the strength in the butcher market, with the result that, while prices are about steady on canners and cutters, and 10@15c. higher on all the balance of cows and heifers as compared with last week's closing prices yet as the market closed lower last week Wednesday's quotations are about in line

Wednesday's quotations are about in line with a week ago.

The Chicago hog market has received almost 150,000 hogs in three days, and the recuperative powers of the hog market were put to a test under those conditions. Monday's trade started out strong, but as the trains continued to come "hoggy," and the Eastern layers ago through the trade weakened and buyers got through the trade weakened and closed 10@15c, lower. On Tuesday the same (Continued on page 42.)

KANSAS CITY

(Special Letter to The National Provisioner.)

Kansas City Stock Yards, Feb. 13, 1917. A shade of weakness on steers yesterday was the cue for buyers today, but the late market developed good action at steady prices. Stockers and feeders strong, receipts 11,000, best here around \$11. Hog receipts were 19,000 head, early market 5c. lower, but the close fully equal to yesterday, top \$12.40. Sheep and lambs receipts were 14,000, lambs steady, best around \$14.65,

ewes ten higher, \$11.35.

Nothing strictly prime arrived, the best here at \$10.80 to \$11.25, middle grades \$9.50 @\$10.50. Several shipments of Colorado pulp fed cattle arrived at \$10@10.75, strictly choice pulp steers worth up to \$11.50. Five loads of barley and alfalfa fed Arizona steers arrived and sold at \$9.75, 1,022 lbs. average. Seven loads of Arizonas

brought \$10.15 yesterday, 1,233 lbs. Ten loads of good to choice Idaho steers arrived late, worth around \$10.75. Cattle supply from local territory this week has been augmented by 100 carloads of cattle from Colorado, Idaho and Arizona. Butcher cattle sell strong right along, most of the cows \$7@8, a few at \$9 or better, some down to \$6, bulls \$6.50@8.50, veals \$11@13.

Order buyers took nearly 20 per cent. of the hogs that arrived last week, and packers were unable to conceal their needs; prices 25 to 40 cents higher for the week. The same to 40 cents higher for the week. to 40 cents higher for the week. The same condition rules today, the late market developing most strength. Top price was \$12.40, medium weights up to \$12.35, lights \$12.10, pigs \$11.50, bulk of sales \$11.85@12.35. Nebraska is furnishing a large number of choice weighty hogs, the kind that sell at top prices. Colorado, Arizona, New Mexico and Texas also contribute hogs, these sections

and Texas also contribute hogs, these sections new to the hog growing industry beginning to cut considerable figure in the supply.

Fairly good sheep and lamb receipts this week found quick sale at strong prices. Fair to good lambs sold at \$14.40@14.55 today, choice lambs worth \$14.65. Feeding lambs sold at \$14.30 yesterday, weighing 73 lbs., with good shearing qualities, highest price ever paid here for feeding lambs. Ewes sold 10 higher today, some Colorado fed ewes weighing 120 lbs. at \$11.35, a new high price here. Wethers brought \$11.25. yearlings Wethers brought \$11.25, yearlings \$13@13.25.

ST. LOUIS

(Special Letter to The National Provisioner.)

National Stock Yards, Ill., Feb. 14. For the week ending today our receipts of cattle amount to 22,000, of which 5,300 were Southerns. The run of cattle for this season of the year is very heavy; our receipts so far approximate 150,000 head, which is over 48,000 in excess of our receipts for the same period last year. The quality of the offerings still averages poor; we are receiving no strictly prime well finished cattle at all. This same condition, we understand, obtains at all markets. The top this week on heavy steers was made on Tuesday, when a couple of loads of 1,450-lb. animals brought \$11.25. To be sure there are sales of smaller lots which occasionally exceed this price, but we are speaking of carload transactions. The bulk of the steers of fair weight are selling from \$8.75@9.75, while the in between kind, those which might be called very good, but not choice, are ranging from \$10@10.50; the plainer grades are selling within a spread of \$8@9, and the common and light ones from \$7@8. Practically two-thirds of our receipts consist of butcher cattle. Choice to fancy light heifers are quoted at \$10@10.50, but we are not receiving many that are selling up to the \$10 mark. Medium to good to choice heifers range from \$8@9.75, with the bulk of the sales selling around \$8. Some mixed, yearlings and heifers sold on Tuesday at \$11, and this was the top for the week in this department. In cows, while there has been considerable fluctuation, the market generally is on a strong basis. Best choice heifers range from \$8@9.75, with the there has been considerable fluctuation, the market generally is on a strong basis. Best cows are quoted at \$8.50@9.50; the plainer kinds range from \$7@8. There is quite an active trade in canners and cutters, the former being quoted at \$5.15@5.35, while the cutter end ranges from \$5.50@6. Steady mer being quoted at \$5.15@5.35, while the cutter end ranges from \$5.50@6. Steady bidding prevails on all good weight feeders and qualified stockers, and this is likewise true in choice breeding stuff. The plain and medium grades find slower sale.

Hog receipts for the week amount to \$5,700, a run which we consider very liberal for this season of the year, although somewhat under the same period of a year ago. More good hogs are coming to market; in

fact, the quality, generally, this week can be called fair to good. The market has been extremely active, and, while at this writing we are a dime under a week ago, the market is strong. Today's quotation's are: Mixed and butchers, \$12.30@12.55; good heavy, \$12.50@12.65; rough, \$11.50@11.75; lights, \$12.25@12.45; pigs, \$9@11; bulk, \$12.30@12.55. As has been the case for the past several weeks the demand is strongest on shipping weights. They seem to be most sought after by both the packers and the

sought after by both the packers and the order buyers.

Sheep receipts for the week are 6,600. The market maintains its activity, and prices are at their highest point in the history of the market. Scarcity of feed and the high prices of the same is a condition as noticeable in the sheep market as it is in the cattle market. ket. We are receiving a great many common and medium grade sheep that show a lack of finish. Muttons range from \$8@11.50; yearlings, \$11.50@13.50. In lambs the quality is better. Prime lambs are quoted at \$14@14.85; common to medium to good lambs, \$12@14. Very few lambs, indeed, are selling for slaughter below \$12.

OMAHA

(Special Letter to The National Provisioner.)

So. Omaha, Neb., Feb. 13.

Cattle receipts have been holding up well of late in spite of very uncertain weather and the difficulty experienced by shipppers in getting stock cars. Last week some 25,000 head arrived, and if the packers could have secured the necessary refrigerator cars to move the beef they would have taken all the cattle readily at strong prices. As it was, they bought freely the first half of the week, but later were compelled to quit buying and killing as they could not move the beef. This week the situation is much the same, and prices have declined sharply for all but choice, heavy beeves. Good to choice, weighty cattle are selling at \$10.50@11.25, the fair to pretty good 1,000 to 1,300-pound beeves going at \$9.75@10.25, and the common to fair warmed up and short fed grades selling from \$8.50@9.50 and on down. The market for cows and heifers suffered fully as much as the fat cattle trade. Best grades are in active demand at steady prices, from \$8.25@9.25, while fair to good butcher and beef grades are lower at \$6.75@7.75, and canners are uneven sellers at \$5.50@6.50, and on down. Veal calves continue scarce and firm at \$9.25@11.25, and there is a very good outlet and a steady market for bulls, stags, etc., at \$6.50@8.50.

Last week's run of hogs, 132,553 head, was far and away the largest in the history of the market, and this week promises to be fully as large as last. Demand is apparently increasing as fast as supplies, and the trend of values has been almost steadily upward, of values has been almost steadily upward, the advance being about 25c. as compared with a week ago. Both local packers and shippers are buying eagerly, and paying a premium for weight and quality, although the range of prices is not as wide as it was a few weeks ago. There were about 27,000 hogs here today, and prices were mostly 5@10c. lower. Tops brought \$12.20 as against \$12 last Tuesday, and trading was largely hit at \$11.80@12.15, as compared with \$11.65 @11.90 a week ago. @11.90 a week ago.

(Continued on page 42.)

NEW YORK LIVE STOCK

WEEKLY RECEIPTS TO FEBRUARY 12, 1917.

		. 8	heep and	đ	
New York	1,709 4,445			5,969 19,128	
Totals	. 8,395 .10,603	5,168 7,856	18,724 19,537	25,097 29,930	

REFRIGERATION ICE AND

NEW CORPORATIONS.

Beach Haven, N. J.-The St. Albans Fish Company, to deal in sea food, has been incorporated with a capital stock of \$25,000.

Woodcliffe-on-Hudson, N. J .- The Zum-Zum Trading Company, to manufacture ice cream, grape juice, etc., has been incorporated with a capital stock of \$100,000.

Washington, D. C .- The Purity Ice Cream Company has been incorporated by Hamilton F. Greene, Alex T. Douglas and Cuyler O. Meeks. Capital stock, \$1,000.

Jackson, Tenn.-F. V. Smith, M. Smith, P. T. Rather and others have incorporated the Smith Bros. Co., with a capital stock of \$150,000, and will enlarge present ice cream plant.

Moundsville, W. Va.-The Purity Ice Cream & Bottling Company has been incorporated with a capital stock of \$10,000 by L. Brummage, J. D. Burley, S. W. Meals and others.

---ICE NOTES.

West Union, Iowa-Schoeppe & Smith have installed an ice plant.

Lonoke, Ark .- An ice plant, flour mill and laundry may be erected by W. M. Daniels.

Webb City, Mo.-The installation of an ice and electric light plant is being considered by Webb City.

Decatur, Texas.-The branch of the Nissely Creamery of Fort Worth, Texas, has been destroyed by fire.

Athens, Henderson County, Texas-Fire destroyed two refrigerator cars owned by the Citizens' Ice Company.

Dyersburg, Tenn.-An ice cream factory will be established at this point by the Culver Ice Cream Company.

Laurel, Miss.-The Laurel Commercial Club is much interested in plans to secure the establishment of a creamery.

Memphis, Tenn.-The establishment of an ice factory at this point is contemplated by The Grismore-Hyman Company.

Heavener, Okla.-An ice and cold storage plant will be built by the Border City Ice & Cold Storage Company of Little Rock, Ark.

Bucklin, Mo.-A refrigerating plant will be installed in the poultry handling plant to be built by the Lindley-Buster Produce Company.

Norton, Va.-Plans have been prepared for the erection of an addition to the cold storage plant of the Norton Ice & Cold Storage Corporation.

Kentwood, La.-Fire, originating in the engine room, destroyed the plant of the Kentwood Ice Manufacturing & Bottling Works. Loss, \$40,000.

Garden City, Mo .- Contract has been let for the equipment for the refrigerating plant and ice factory being installed by the Garden City Ice & Cream Company.

Clarksville, Ark .- It is reported that the ice plant of the Clarksville Ice Company will be enlarged to 20 tons daily capacity, and that an ice storage and cold storage warehouse will be added.

Commerce, Okla.-A two-story building, 24x30 ft., to be used for the manufacture of ice cream, etc., will be built by the Commerce Ice Cream Company, organized by A. R. Johnson and C Shifferdecker.

RELATION OF BOARDS OF HEALTH TO COLD STORAGE.

By Dr. Herbert D. Pease, New York City.*

"No frozen fish served here" is a statement conspicuously placed in red ink on the menu of one of New York's prominent restaurants. To be a truthful statement it should read, "If frozen fish is served here we do not know it," for even the most experienced restaurateur could be easily fooled by the wise fish monger in the sale of properly thawed frozen fish as the fresh article of commerce.

If John J. Dillon, New York State Commissioner of Foods and Markets, can enforce a recent ruling which he has made, every individual egg which has at any time passed through a cold storage plant and is intended for sale in the State of New York will be branded on the shell with the words "Cold Storage" in letters not less than one-eighth of an inch in height. Time only will tell what will result from the extraordinary propaganda inaugurated by this pugilistically inclined agriculturist. One would be safe in predicting, however, that there will be no eggs branded in this manner in the State of New York in the near future.

"Cold Storage Food Sold Here" signs are hung in the retail stores of New York and of many other States of the Union in compliance with the specially enacted State laws dealing with the subject of cold storage of food. Hardly anyone believes that all the cold stored foods in such stores are all labeled or sold as such, although the laws of nearly all of these States make it a misdemeanor to sell cold stored goods without representing them to be such. In some States the laws define cold storage food to be certain foods which have been held at temperatures under 40 degs. Fahr. for over 30 days, while in other States similar statutes, including the so-called Uniform Law, define the term "cold storage" as foods held under 40 degs. Fahr. for over the same time period.

State Legislation Varies.

But several State laws call for the complete expulsion of all food from such cold storage in 10 months, while those of other States say 10 months for some foods and 12 for others, and some States kindly condescend to allow the State Board of Health or some equivalent body to extend the time of storage for varying lengths of time from thirty to one hundred and twenty days, or an indefinite period, provided the food is still fit for human consumption which, of course, it is always as if it has been held frozen and was in good condition when received.

Again, most States limit the foods which,

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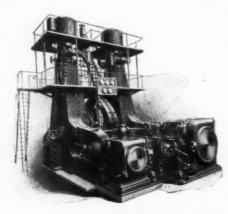
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when kept below 40 degs. or 45 degs. shall be called cold stored foods to a varying list usually including meat, fish, poultry, butter and eggs, but they permit dozens of varieties of other foods held under the same conditions, perhaps for longer periods, to be distributed free from any restrictions.

In the so-called Uniform Cold Storage Law some of these comparatively minor variations and inconsistencies have been eliminated or standardized, but the draft of the law is far from perfect and in several important respects is at variance with established scientific truth and in others it lays emphasis upon relatively unimportant matter and passes over with comparative lightness matters of greater sanitary significance. As an example of the latter we find in Section Six, that the refrigeration warehouseman becomes responsible for the actual sanitary conditions of all food accepted or kept by him. This amounts to an imposition of substantially all the truly important scientific duties of the official supervisory department upon the warehousemen. The latter could not legally, if they so desired, assume any such authoritative powers, for to comply with the provision would require in many instances the opening and disturbance or actual destruction of the property of others to any extent which, as inspectors, they might deem necessary. Such powers of investigation should not be delegated to anybody not directly responsible to official control. Moreover the proper sanitary inspection of foods entering cold storage warehouses is the one truly essential feature in official action concerning such foods as are to be stored in the frozen state, as elaborate studies have demonstrated that they leave the warehouse in the same conditions in which they entered. We have, therefore, in this law the attempt made to officially evade the only duty which science has as yet demonstrated as truly important and calling for adequate official supervision.

The Uniform Law.

The writer has always held that a scientifically fundamental basis for legislation regarding cold storage of food had not been utilized by the drafters of even such bills as the Uniform Law. He is familiar with the prolonged efforts made by one of the well informed scientists of the country to bring about such a result and to her are thanks due for the freedom of the Uniform Law from many of the mistakes in previous statutes. But because the Uniform Law was the best that could be obtained from the commission tlat drafted it, does not bring it into any

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PAGE WATCH 48 FOR BARGAINS

YORK

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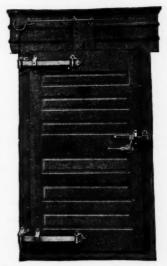
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Therefore a YORK PLANT is the logical one to buy. THINK IT OVER.

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Ice Making and Refrigerating Machinery Exclusively YORK, PA.

For Cold Storage and Freezers



Have you ever examined our

"JONES" or "NOEQUAL

type of Door, and noted the heavy material used in construc-tion, or how the massive "Jones" Automatic Fastener and "Jones" Adjustable Spring Hinges keep the door tight against the double and triple seals of contact.

If not, it's time! You should know why the Big Packers use our doors almost exclusively.

Made with or without trap for overhead rail. Cork insulated. Built for strength. A 96-page illustrated catalog upon request.

JAMISON COLD STORAGE DOOR CO.

Formerly

JONES COLD STORE DOOR CO. Hagerstown, Maryland, U.S.A.

greater harmony with the results of scientific investigations.

In the writer's opinion, no detrimental effect has been shown to exist in foods solidly frozen and held for periods much in excess of the time limits fixed in the Uniform Bill. In fact, there is nothing in any of the results of researches to even suggest that any detrimental effect would likely be found even if the frozen food was kept for substantially indefinite periods. It has not as yet been indicated as the result of any scientific studies that such food long held may lose even slightly in nutritive values.

Is one not warranted, therefore, in asking for the basis for the insertion of time limits for the storage of foods in laws relating to the control of health conditions? What does all this uncertainty and variability of legislation and appeal to the food consuming publie really indicate?

To the scientist who stops to analyze these conditions it shows clearly a more or less wandering, uncontrolled attempt to mold and compress into statement or statute form some of the accumulated empirical information and popular impressions of the past years concerning the supposed causes and occurrences of menace to the human race from the foods that he eats. He is reminded of the days of the ancient popular statements and enacted statutes concerning the sanitary menace from sewer gases, foul odors, stagnant water, miasms, etc., as the direct causes of infectious diseases. He is tempted to classify it all as unsound and unscientific and, in more or less disgust, to wave it aside as none of his responsibility.

He fails to realize that while these efforts intended for the protection of the public from its food dangers may not be as sound or as scientific as might be desired by the experienced students of the natural sciences of chemistry, biology, and physics, the failure of the public to receive the necessary instruction in this field indicates an unsoundness and lack of scientific method in popular education in which defect he, himself, is not without some measure of responsibility and, therefore, open to criticism. The writer believes that when the public does not understand the science or professional man the chief fault does not rest, of necessity, with the public.

Popular Outcry Against Cold Storage.

But what does all the popular outcry and legal restriction concerning cold storage of food mean to the law-maker hounded by the vellow journalist amateur food reformer: to the average empirical sanitarian who, fearing to face the issue, allows the loud talking reformer to run his office for him; to the captain of industry who reads the red ink slam at frozen fish when choosing his Friday's luncheon dishes; to the housekeeper to whom finally comes both the statements of the wild propagandist and the excerpts from the Sanitary Code and the State law, mingled with the sly comments on both by the retail grocers and other food dispensers? It can do but one thing-it spells "confusion" in capital letters.

But if it spells confusion to these groups, how does it affect the producers, the transporters, the vendors, and especially those engaged in the refrigeration of foods? They see with greater clearness but as they are not recognized publicly as scientists who can speak with authority and are often without special training and experience in the education of the public, they usually feel and exhibit a certain degree of helplessness and generally confine their efforts for better things to such times and occasions as develop when some over zealous official or reformer has started something along wrong lines.

The situation very clearly is not one which can be disentangled by any one individual or group without the thorough co-operation of others. It is obvious that the three important groups which, by co-operation, might accomplish much toward the solving and elimination of these problems are, first, the scientists who have already or can, if given adequate support, develop the fundamental scientific information and the principles involved in the refrigeration of food; second, the men in the food and refrigeration industries who know or can ascertain when, where and how these facts and principles can be applied practically; and, third, and all important, are the various agencies which can properly and adequately convey the results of the efforts and co-operative conclusions of the first two groups to the sanitarians and food officials, scientific as well as empirical; to the law makers of reform or conservative tendencies, and, finally, to the public instructors of all types who through the press and magazines and other agencies wield such a large influence in popular education.

Need of Popular Support.

This is a democratic country in every sense of the term. Not until the voice of the people is heard is there permanent accomplishment in any progressive direction. When the voice is untrained or wild then, indeed, is there reaction. The burden falls on the men of science and of the industries to train and direct the popular voice in the fields wherein the scientists and the men of affairs excel.

We must not assume that this educational aspect is a new or unappreciated picture in connection with food refrigeration. Various individuals and committees composed of them have sought to educate the public directly or indirectly. The foremost place in this field belongs, as one would naturally expect, to a member of the scientific group. No one person could have done more towards leveling the barriers and establishing order out of chaos than has Dr. M. E. Pennington during the last few years. Others who have seconded her efforts could be mentioned.

The committee of the American Public Health Association on cold storage, under the chairmanship of the writer's business associate, F. D. Bell, and with the vigorous, progressive, clear visioned support of Dr. Peter Bryce of Canada, and that of Drs. Pennington and Barnard, Prof. Sedgwick and J. F. Nickerson, secretary of American Association of Refrigeration, have made most pronounced efforts to forward popular education through the great potential influence of that public health organization. The special plan proposed by them last year to the American Public Health Association failed by reason of the somewhat apprehensive feelings of some of the leaders of that association that a charge of commercialism might be made against it.

The plan provided for the publication of a series of stories in some widely read magazine in which there should be interwoven the essential features of the valuable private and public results to be obtained from proper

food refrigeration at all stages, from farm to consumer. It is evident from this and other results that before we can hope to reach the people in any effective or conclusive manner, sanitarians and food officials must attain to a correct knowledge and understanding of the principles and their application in food refrigeration. The scientists apparently have not yet been able to convince enough of their direct and indirect associates of the truth of their results to obtain their unqualified support. It would seem as if more and broader scientific work must be done and must be wisely presented before the proper scientific societies and published in their journals. This cannot be done without help from both official and private

A Great Opportunity for the Industry.

Here is where the men in the refrigeration and allied industries should see one of their great opportunities. First, they should apply every form of appropriate influence to the end that the great researches and educational activities carried on by the food research division of the U.S. Department of Agriculture and all other official food research laboratories were adequately supported by their respective governments. Second, they would accomplish much if they, directly as well as indirectly, promoted further independent researches and did so in accordance with a well defined and adequately supported programme to the end that the results of such researches should have practical applicability and educational influence.

This independent work to be truly effective should be of such volume as well as character as will impress other scientists and sanitarians. Many deserving pieces of scientific work have been unimpressive because of their haphazard or occasional appearance. Third, the industry, above all, should provide for the educational utilization on the broad-est possible basis of the results of all such past, present and future investigations, no matter by whom made or supported.

The cold storage and refrigeration interests will command the confidence and respect of the full bodies of the scientific, official, and popular groups in proportion to the concerted endeavors they make to obtain the same. One of the cordinal principles involved in gaining of the cardinal principles involved in gaining the ear of any group of individuals is to use as spokesman one who knows the special lan-guage of that group and the appropriate time and extent for its use. Thus, while scientists and the professions have surrounded them-selves with a more or less formidable barrier by their exclusive tendencies, the general public are not without means of isolation in the form of an unwillingness to spend time and energy or, in fact, at times even to notice what the scientist wishes to say unless it is sugar coated, embellished, or almost smothered with a pabulum having a commanding human interest.

Catering to the public in this manner has been carried to such an extent that it has become practically impossible to obtain publication of articles prepared by scientists in popular journals until they have been entirely revised by so-called rewrite artists who in many instances receive a larger compensation than the announced author himself. It is obvious that the educational features of the plan call for very careful and special con-

sideration.

The Stimulation of Popular Support.

That part of the plan calling for the stimulation of official support of researches on cold storage of foods could be properly handled by the legislative committee of this association. Proper lobbying on behalf of appropriations for scientific researches is no new thing. The agricultural associations have done it for

(Continued on page 35.)

FOR PURCHASING DEPARTMENTS

MOTOR TRUCKS BEAT RAILROADS.

It is now freely predicted that the automobile will in a short time cause the abandonment of most of the short railroad branch lines. The decline in the business of such lines has been very great in the last few years, all traceable to the increased use of motor vehicles. As an instance it is stated that the sale of railroad mileage books has been reduced approximately 30 per cent. in the last three years.

"As to freight," said I. L. Kohn, of the Crown Motors Corporation, Metropolitan distributor of KisselKar trucks, the other day, "it is costing the railroads more every day to handle it, and as good highways multiply the competition of the motor truck will prove too much for them. The truck can give far superior service in many parts of the country now, for it hauls from the very door of the consignor to the very door of the consignee, and saves not only expense but time as well."

-0-MORE WILLIAMS GRINDER BUSINESS.

The Williams Patent Crusher & Pulverizer Company of St. Louis, Mo., has taken larger quarters for its Pacific Coast sales office at No. 67 Second street, San Francisco, Cal. The San Francisco office, which has been in charge of O. J. Williams for a number of years, has developed a very satisfactory trade among the ranchers for the Williams alfalfa grinder, as well as in the many other fields in which the Williams mill is used.

The new quarters are larger and more centrally located, and are connected with a warehouse, in which the Williams company maintains a complete stock of spare parts for different types of their grinders. This makes it possible to supply parts promptly to customers who are far removed from the main office.

The increased business of the Williams company is not directly traceable to war contracts. However, the manufacturing of many materials in this country which were formerly imported from the nations now at war has opened up new fields for the Williams mill.

---MOTOR TRUCKS IN DEMAND.

The rapidity with which American business men everywhere are motorizing their transportation systems is well indicated by the tremendous volume of truck sales made by the Packard Motor Car Company through its dealers during January, 1917.

"More than two millions of dollars, \$2,-262,500, to be exact, was invested in trucks made by this company in the first month of this year," said R. E. Chamberlain, truck sales manager. "Never before has this record been equalled or even approached in the history of the truck industry. The figures quoted represent the value of Packard trucks for the use of American business men onlyno foreign orders, samples or demonstrators are included. Also every dollar was for chassis only, most buyers having bodies built by outside firms.

"This unprecedented endorsement of Packards came from many lines of business and from all sections of the country, the major

sales made in New York, Chicago, Boston, Cleveland, Detroit, Pittsburgh and Philadelphia. Substantial gains also were noted in Minneapolis, Portland, San Francisco, New Orleans, Cincinnati, Rochester, St. Louis and many other cities.

"Among the nationally known buyers were Swift & Company, Armour & Company, Liquid Carbonic Company, Chicago Telephone Company, Standard Oil Company, Anheuser-Busch Brewing Company, New England Gas & Coke Company, Edison Electric Company, Independent Oil Company, One company alone bought 131 Packards."

COLD STORAGE AND HEALTH BOARDS.

(Concluded from page 34.)

(Concluded from page 34.) years, with most excellent results to themselves and the public generally.

The programme for the second responsibility could provide for, first, the creation of an independent scientific department under the auspices of this association and supported directly and indirectly by it, the duty of whose staff it should be to

(a) Get together, correlate and make available for educational purposes all the existing scientific information on the subject of the cold storage of foods:

(b) By reason of such library researches develop not only the strong and the weak points which have already been covered, but equally clearly ascertain what remain to be

equally clearly accessed to the elucidated;

(c) By familiarity with the work of official research institutions, plan for and conduct or arrange for the undertaking of them by other specialized investigators such further researches as cannot by their nature be ther researches as cannot by their nature be undertaken under other than commercially supported auspices and, finally, directly rep-resent this great field of applied sciences in every legitimate and appropriate manner in all scientific and other associations and bodies organized for the promotion and diffusion of scientific knowledge.

Thirdly, for the full development of the educational influences which could and do emanate already to a considerable extent from this association, the general administrative offers or an appropriate committee of. it should be guaranteed sufficient support to enable it to devote its attention to the most direct practical application of the whole amount of scientific, practical and legal information thus gathered by the association, to the end that the various food supervising bodies of this country from the federal departments down to the municipal boards of health departments and departments of markets should be so well and scientifically informed that their activities would be uniform and in harmony with the best technical knowledge and commercial practice and, therefore, for the best interests of the people sea whele

ple as a whole.

This executive department of the associa-This executive department of the association could be further charged with the responsibility of promoting the direct and indirect diffusion of knowledge to the general public concerning the values of proper food refrigeration in all its branches. For this purpose adequate support should be available for the presentation of the material in the ways which experience has demonstrated must be used if the public are to be effectively reached. ively reached.

A Practical Plan Suggested.

Do you say this is an idealistic plan? Grant that it is, but will progress be made toward the goal if some of the first steps are not taken? Assuredly not. But are there other professions and industries following such a course? The answer is affirmative. ing such a course? In answer is amirmative. The medical and dental professions have always pursued this plan in part. Of the industries the National Canners' Association, facing a like situation, met it with a somewhat similar plan and as far as they have

been able to organize and command funds their research and administrative departments have changed the general support of educa-tional influences from one of almost general antagonism or suspicion to one of favorable understanding and strong support, although there remains room for further accomplish-ment. The Oyster Growers' and Dealers' As-sociation of North America undertook a por-

tion of the plan with some benefit.

Rest assured, the attitude of the health at thereties regarding cold storage of foods, now based so largely upon the demands of popular prejudice and lack of knowledge, will assume its proper sound and scientific form when such officials and, especially, the public are properly and thoroughly informed of the facts and have begun to more fully appreciate the immense sanitary and economic values to be derived from an ever extending application and promotion of the various processes of food refrigeration, rather than the discouragement of them by inappropriate and scientifically unsound restrictions. The needed demonstrations and the application of the remedial agencies are largely responsibili-ties of the industry itself and its allies and they will do well to call to their aid the best of scientific and educational assistance if they would attain the greatest measure of relief.

The Elimination of Unnecessary Regulations.

The goal sought should be the elimination of any unnecessary and official regulations affecting only cold stored foods. The writer has held from the beginning of the agitation and still contends that there are no benefits which can be looked for from such special regulations of cold storage food which could not be obtained more easily and be developed on a sounder basis by considering and treating the matter of supervising cold storage plants the matter of supervising cold storage plants and cold storage food as a part of the super-vision of all food supplies. Special regula-tions in any official sanitary supervisory work should be called forth only by special liabilities to sanitary menace.

When the latter do not exist special statutory or regulatory provisions usually indicate attempts either to unload the official burdens onto others or to command public attention to the department's activities along lines of to the department's activities along lines of more or less temporary popular agitation. The former is without excuse, for no official department can legally delegate its responsibilities to unofficial agencies. The latter is in the nature of a misuse of statutory enactments for educational purposes, which latter could be accomplished in other ways and not result in a weakening of the popular respect for statutory provisions.

The legislation accomplished and attempted

for statutory provisions.

The legislation accomplished and attempted on the subject of cold storage of foods during the last five years has not found its place in the laws or sanitary codes, nor is it wanted as constituent portions of the regulatory systems of the thoroughly organized and efficiently managed departments of health or of food control who have been for a number of years efficiently supervising food supplies. But one of the large cities of this country has apparently found any necessity for such provisions, nor has there ever been pressed any very positive recommendations from the federal supervisory authorities in this direction. federal supervisory authorities in this direc-

The chief and actual value of the agitation has been to attract attention to the needs of general food supervision, but the writer con-tends that attention to that need could have been obtained by less objectionable although perhaps by no more spectacular methods. It has left a long trail of false ideas in the minds of the majority of the public, many sanitarians, and even some scientists and men of the industry itself. These can be effectively eradicated only by a careful, painstaking presses of resultivation of the soil. The process of recultivation of the soil. mg process of recultivation of the soil. The writer has endeavored to present a plan for the conduct of such a weeding and cleaning process, and has been much gratified since his attendance at these sessions to learn that a most substantial beginning has been already made by the association.

Chicago Section

The motor truck is the thing.

Reverting to the Grand Old Man, founder of the house of Swift, he once said: "We'll never make any money out of hogs we don't buy!"

Swift & Company's sales of beef in Chicago for the week ending Saturday, February 10, 1917, averaged as follows: Domestic beef, 12.50 cents per pound.

The old-time livestock men associated with the Yards are passing away. Within a week Patrick J. McIntyre, Stephen H. Schryver and Hugh Parker crossed the Great Divide.

A familiar question asked the guest in the South for generations in the hotel dining rooms and restaurants at every meal, and now gone into the discard: "How'd yuh laik yuh aigs, suh?"

The threatened high cost of living investigations begin to look like "ultimatums," "farewell visits," etc. With eggs at 6c. each and potatoes at 72c per peck, the H. C. of L. begins to look and act like anything except a joke.

Everett C. Brown was chosen president of the Chicago Live Stock Exchange in annual election Monday, and S. Bruce Stafford, vice president. Directors for three years were elected as follows: D. C. Mosier, W. A. Mc-Garry and N. H. Sutherland. The holdover directors are: W. A. McGahen, D. C. Wagner, Jr., W. A. Peterson, J. A. Tracy, G. S. Freeman and E. F. Keefer.

Some good dope from Swift & Company's "Suggestions to Salesmen": Know what you are selling. Don't talk politics. Keep out of argument. You are selling our goods, not our competitors'. Never be uncouth. Politeness costs us and you nothing. Be accurate and treat your customer right. Never wear out a welcome. Use a grouch diplomatically. Be courteous, congenial, polite and honest. Keep everlastingly plugging. You are Our represensative. Invite criticisms and suggestions.

W. G. Press & Company, say: "The fresh meat trade this week is dead. Pork loins are draggy at 181/2c. a lb.; a week ago they were selling at 20c. to 21c. a lb. Subma-

HENSCHIEN & McLAREN Architects

Old Colony Bldg. Chicago, Ill.
PACKING PLANTS AND COLD STORAGE CONSTRUCTION.

rine activity has practically stopped all exports of meats and lard. With the Belgian Relief Commission, one of the biggest purchasers of lard for export, out of the market and the exports to other countries practically shut off, we do not think this is the time to be bullish on lard. Exports of meats are also shut off, and we do not expect any advance in hogs or hog products until there is a change in this export situation."

Friends of "Con" Yeager are condoling with him on the death of Mrs. Yeager's mother, Mrs. Mary Herchenroether, which took place at Pittsburgh, Pa., on February 11. Herchenroether came of an old family in the trade. Her father, Conrad Schad, was one of the pioneer butchers of Pittsburgh. He started the business in 1840, out on old Fifth avenue, and when he died it fell to a son-in-law. Henry Foehm, and a son, Barney Schad. The latter died about 15 years ago and left the business to Charles C. Schad. At his death, about 3 years ago, two brothers, George and Henry, took charge of the business, which is now at Centre avenue and Kirkpatrick street. Mrs. Herchenroether was 68 years of age, and left five daughters, five grandchildren and two greatgrandchildren.

W. L. Gregson writes to The National Provisioner of the provision situation, as follows: "Just a steady grinding of the real facts of supply and demand covers the story of pork product for the week. The hogs are not plentiful enough to make a bear campaign successful, and the indications point clearly to the end of the Winter hog crop. The insistent fresh meat demand at all industrial centers is in daily evidence. The foreign situation tells its own story in new prices nearly every twenty-four hours. The South takes its daily quota of cured meats from the River markets, and the demand is so good for other jobbing cuts that ribs and lard are selling cheaper than anything else in the hog. The chances of any more mess pork being made profitably this year are slim, and the same remarks apply to ribs, unless they are advanced very materially. Both the foreign and domestic lard position is thought to be much stronger than it was at any time in 1916. In fact, it looks as if it will be hard to find competition for the product at an advance of five cents a pound from these levels.

C. GARDNER

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KEEP YOUR PROVISIONER ON FILE

The National Provisioner is frequently in receipt of letters from subscribers who recall having seen something interesting or important in a previous issue of this publication, but they have mislaid the copy and want the information repeated or another copy furnished. The National Provisioner offers the suggestion that if every interested subscriber would keep a file of this publication, he would be able to look up a reference at once on any matter which might come up, and thus avoid delay. A carefully arranged index of the important items appearing in our columns is published every six months, and with this and a binder, which The National Provisioner will furnish, the back numbers of the papers may be neatly kept and quickly referred to for information.

The binder is new, and is the handiest and most practical yet put on the market. It is finished in cloth board, with gold lettering, and sells for \$1. It may be had upon application to The National Provisioner, 116 Nassau street, New York.

VALUE OF MOTOR TRUCK VS. HORSE.

The attractiveness of Grosse Isle, Detroit river island summer home of many wealthy Detroiters, has been enhanced lately by the building of a network of good roads. Many of the main arteries have been completed, insuring good going instead of mud in the future. All the material, broken stone in two sizes, had to be hauled from a quarry on the mainland by teams and a Packard truck, four ton capacity with dump hoist body. The hauls varied from three to 71/2 miles, according to location of the work.

It was actually determined by Norman A. Pabst, owner of the truck, that it was doing the work of six two-horse teams, to say noth-

John Agar Co.

Union Stock Yards CHICAGO, ILL.

Packers and Commission Slaughterers

Beef, Pork and Mutton

Members of the American Meat Packers' Association.

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ck Butter & Manhattan Veal & Co., Inc. Butchers United Dressed Be

DOES your engineer run YOUR refrigerating plant to produce best results using an anhydrous ammonia he knows is best for YOUR interest, or

Must he produce the best results he can with an anhydrous ammonia which is purchased upon a basis OTHER than that of quality?

Your engineer knows that a guaranteed pure and dry anhydrous ammonia made from a strictly mineral base does produce best results.

Only by using such an ammonia can you reduce operating expenses.

Anhydrous SIPPE Ammonia

"EVERY OUNCE ENERGIZES"

Fill your requirements.

Used by most of the leading packers throughout the United States. SUPREME means pure, dry, highest quality anhydrous ammonia. Less power and less coal = less expense.

Better refrigeration and more satisfaction = greater efficiency.

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Chicago, U. S. Yards

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Boneless Beef Cuts. Sausage Materials. Commission Slaughterers.

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NITRATE OF SODA

Guaranteed to pass B. A. I. Requirements

San Francisco Salt Refinery San Francisco, Cal.

Stauffer Chemical Co.
Chauncey, New York
Members of American Meat Packers Assn.

The National Supply & Equipment Co.

Peoples Gas Bldg.

Agents

Chicago, Ill.

ing of their six drivers and the same number of wagons. Seven teams were working at the same time as the truck. In ten hours they hauled 49.5 tons of stone, while the truck hauled in the same time 56.4 tons. Over a period of 105 days of 10 hours each the truck averaged 45.1 tons and 79½ miles per day.

During the last three weeks of the work, because of the approach of winter, it became necessary to rush the work and the truck was

BONE CRUSHERS



WILLIAMS

Williams Bone Crushers and Grinders are not alone suitable for grinding bone for fertilizer purposes, they are also suitable for crushing bone for glue and case hardening purposes. Every packer having to dispose of his bone whether Green, Raw, or Junk and Steamed bone, will do well to get in touch with Williams.

Williams machines are also suitable for Tankage, Cracklings, Beef Scrap, Oyster and Clam Shells, and any other material found around the packing plant requiring crushing or grinding.

Send for catalog No. 9.

THE WILLIAMS PAT. CRUSHER & PULVERIZER CO.

General Sales Dept., Old Colony Bldg.
CHICAGO

Works: ST. LOUIS 268 Market St., SAN FRANCISCO

in actual operation 23 hours each day. The horses of course had to rest nights. The truck during this period averaged 98.9 tons hauled. On October 28, it hauled 114 tons and traveled 161 miles.

Besides making some extraordinary hauling records, the truck cut down labor and time 15 per cent, and with its aid a mile of road was built in four weeks, whereas it took fourteen weeks when the horses worked alone.

W. G. PRESS & CO.
175 W. Jackson Blv'd, Chicago
PORK LARD SHORTRIBS
For Future Delivery
GRAIN Correspondence Solicited STOCKS

Valuable trade information may be found every week on the "Practical Points for the Trade" page. Do you make it a habit to study this page?

CHICAGO LIVE STOCK

TS.		
Calves.	Hogs.	Sheep.
471 908 1,316 1,667	17,977 16,174 45,777 48,987	15,252 16,622 17,580 5,747
949 1,025	34,964 22,252	11,049 3,659
6,336 12,046 8,094 8,316	186,125 213,087 256,433 201,956	69,909 54,017 69,440 62,292
	471 908 1,316 1,667 949 1,025 6,336 12,046 8,094	Calves. Hogs. 471 17,977 908 16,174 1,316 45,777 1,667 48,987 949 34,964 1,025 22,252 6,336 186,125 12,046 213,067 8,094 256,433

Cor. week, 191539,885	8,316	201,956	62,292
SHIPMENT	'S. •		
Monday, Feb. 5 1,998	61	4,977	481
Tuesday, Feb. 6 936	. 53	6,043	1,527
Wednesday, Feb. 7 3,790	58	7,545	3,273
Thursday, Feb. 8 2,338	219	12,290	2,499
Friday, Feb. 9 1,284	59	10,198	2,887
Saturday, Feb. 19 216		7,410	240
Total last week10,562	450	48,463	10,907
Previous week16,329	979	64,232	7,244
Cor. week, 191612,949	578	67,978	14,315
Cor. week. 1915 7,016	263	25,313	10,487

CHICAGO TOTAL RECEIPTS LIVESTOCK.

	Cattle.	Hogs.	Sheep.
Year to Feb. 10, 1917	381,246	1,445,202	413,281
Same period, 1916	308,932	1,654,703	456,489
Combined receipts of hogs	at eleve	n points:	
Week ending Feb. 10, 191	7		680,000
Previous week			641,000
Cor. week, 1916			840,000
Cor. week, 1915			726,000
Total year to date		4	,532,000
Same period, 1916			
Same period, 1915			
Receipts at seven point			
Omaha, St. Louis, St. Jose as follows:	ph, Slour	City, St	. Paul)
	Cattle	Hoge .	Shoon

												Cattle.	E	logs.	She	ep.
Week	to	Feb.	10.	19	17	٠.					. 1	144.900	57	0,100	213,	800
Previo	118	week									. 1	181,400	55	8,100	183,	500
Same	per	iod.	1916								. 1	161,900	73	6,700	207.	100
Same	per	iod,	1915								. 1	115,300	61	4,700	207,	800
Com	bine	ed re	ecel	ots		a	t		94	2 9	re	n mari	cets	for	1917	to
Feb.	10.	1917.	an	d	11	10		9	3	m	10	period	8	vear	ago:	

													1917.	1916.
Cattle							٠	 					1.093.000	948,000
Hogs				,					 				3,765,009	4,510,000
Sheep													1,234.000	1,279,000

CHICAGO PACKERS' HOG SLAUGHTER.

Week ending Feb. 10, 1917:	
Armour & Co	23.00
Swift & Co	20, 20
	11.80
Morris & Co	10.40
Hammond Co	10,30
Western Packing Co	9.10
Anglo-American	9.60
Independent Packing Co	7.80
Boyd-Lunham	4.90
Roberts & Oake	3.80
Brennan Packing Co	5.90
Miller & Hart	2.80
	20,00
	39,60
	51.00
Total corresponding week, 1916 1	
Total corresponding week, 1915 1	81.80

WEEKLY AVERAGE PRICE OF LIVESTOCK.

		Cattle.	Hogs.	Sheep.	Lambs.
This week		\$10.50	\$12,30	*811.10	*814.30
	eek		11.70	10.85	14.15
	1916	. 8.05	8.20	7.65	10.95
Cor, week,	1915	7,40	6.75	6.25	.8.40
Cor. week.	1914	8.25	8.65	5.65	7.55
Cor. week,	1913	8.15	8.22	5,90	8.75
	1912	6.60	6.16	4.10	6.10
Cor. week.	1911	6.20	7.20	4.25	6.15

*Record.	
	CATTLE

CATTLE.	
Good to choice steers\$10.00@12.25	
Yearlings, good to choice 10,50@11,90	
Fair to good steers 9.00@10.25	
Stockers and feeders 7.00@ 8.25	
Pale to good some	

Good to	choice	heife	rs	 7.00@ 8.75
Canners				 4.50@ 5.25
Cutters				5.00@ 6.00
				6.75@ 7.75
				7.50@ 9.00
Good to	prime	calve	B	 13.00@14.75
			Hogs.	

Prime light butchers	12,00@12.45
Fair to fancy light	11.80@12.35
Medium wt. butchers, 200-250 lbs	
Prime heavy wt. butchers, 250-400 lbs	12.10@12.60
Choice heavy packing	
Rough heavy mixed packing	
Pigs, fair to good	
Stags (subject to 84 lbs, dockage)	11.60@12.70

SHEEP

Yearlings	\$11.90@13.75
Fair to choice ewes	8.00@11.25
Wethers, fair to choice	10.00@11.75
Western lambs	13.75@14.65
Feeding lambs	
Native lambs	13.50@14.60

CHICAGO PROVISION MARKET

Range of Prices.

SATURDAY, FEBRUARY 10, 1917.

PORK.	Open. -(Per bbl.)-	High.	Low.	Close
May	\$29.95 29.47	\$30,12 29.55	\$29.85 29.47	\$\$30.12 †29.65
LARD-	-(Per 100 lbs.)-			
	16.62	16.77 16.92	16.60 16.75	16.77 16.90
RIBS-	-(Boxed, 25c. mo	re than lo	ose)—	
May July		15.85 15.95	15.75 15.87	\$15.85 †15.95
	******** ***			

MONDAY, FEBRUARY 12, 1917.

Holiday.

TUESDAY, FEBRUARY 13, 1917.

PORK-	-(Per bbl.)			
			$30.20 \\ 29.60$	29.80 29.20	\$29.95 \$29.30
LARD-	-(Per 100	lbs,)-			
			16,80 16,92	16,57 16,70	16.57 \$16.72
RIBS-	-(Boxed, 2	5c. more	than loc	ose)	
			15.90 16.00	15.67 15.77	\$15.72 \$15.82

WEDNESDAY, FEBRUARY 14, 1917.

Mag		20.05	30.05	29.65	230,00
			29.40	29.12	29.40
			28,40	29.12	29.40
LARD-	-(Per 100	lbs.)-			
May		16,60	16.77	16.52	116,77
July		16.72	16.92	16.67	†16,90
RIBS-	-(Boxed, 2	5c. more	e than loc	ose)—	
May		15.72	15.82	15.62	\$15.82
July		15.90	15.92	15.90	15.92

	THURSDAY, FI	BRUARY	15, 1917	
PORK-	-(Per bbl.)-			
May	29.75	30.00	29,70	30.0
July				†29.30
LARD-	-(Per 100 lbs.)-			
May	16.70	16.72	16.57	16.73
July	16.82	16.87	16.72	†16.8
RIBS-	-(Boxed, 25c. more	e than los	ose)	
May	15.72	15,77	15.67	†15.7
July	15.82	15.90	15.80	\$15.8

FRID	AY, FEE	RUARY	16, 1917.	
PORK-(Per bbl	.)			
May	29.75	29.95	29.70	†29.95
July	29.25	29.30	29.07	†29.30
LARD-(Per 100	1bs.)			
May	16.67	16.70	16,62	†16.70
July	16.75	16.85	16.72	†16.82
RIBS-(Boxed,	25c. more	e than loo	ose)—	
May	15.72	15.75	15.65	15.75
July	15.77	15.85	15.77	15.85
ATTACK A A - 2 - 3				

CHICAGO RETAIL FRESH MEATS.

(Corrected weekly by Pollack Bros., 41st and Halsted Streets.)

Beef.

Native Rib Roast	@25
Native Sirloin Steaks	@28
Native Porterhouse Steaks30	@35
Native Pot Roasts16	@18
Rib Roasts from light cattle14	@18
Beef Stew	@14
Boneless Corned Briskets, Native18	@20
Corned Rumps, Native	@18
Corned Ribs	@14
Corned Flanks	@121/3
Round Steaks	@25
Round Roasts	@18
Shoulder Steaks18	@20
Shoulder Roasts16	@18
Shoulder Neck End, Trimmed	@14
Rolled Roast16	@18

Lamb.

fancy		25 @2	8
each			5
	, per loin,	per lb.	

Legs																				.18	@22
Stew																				.14	@16
Shoulder																					@18
Hind Q																					@22
Fore Q																					@16
Rib and	1]	Lo	in	(Th	10	p	8	 	۰										.28	@30
Shoulder	. (Ch	op	В					 			0						٠		.18	@20

								•	•	•	4	•	۰								
Pork	Loins																			.22	@24
	Chops																				@25
Pork	Should	er	8																		@18
Pork	Tender	8		 																	@38
Pork	Butts			 	 																@21
Spare	Ribs																				@18
Hocks																					@14
Pigs'	Heads																				@10
	Lard .																				@20

												۳	٩	31	88.												
Hind	Qı	18	ľ	te	eı	rs	ş													۰			٠			.22	@25
Fore	Qui	al	t	e	r	8							۰			۰						9			۰	. 14	@18
Legs													۰				0									.22	@25
Breas	ts															٠		۰					۰			.16	@18
Shoul	ders	3																			٠					.18	@20
Cutle	ts																										@35
Rib a																											@30

Butchers' Offal.

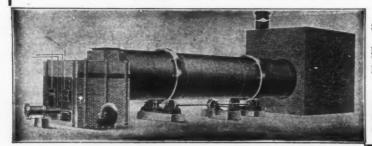
6	Suet .														0				0				٠	@12
1	Tallow														۰	۰			۰	0 1		۰		@ 5
	Bones,																							@75
-	Calfskir	18.	8	to) 1	15	1	b	8.												 			@30
-	Calfskir	18.	U	ind	er	1	18		11	18	-	Ó	le	8	c	0	n	8)						@75
	Kips .																							@20

STERNE & SON CO. **Just Brokers**

Tallow, Grease, Stearine Animal and Vegetable Fats and Oils Postal Tel Bldg. Chicage

Watch Page 48 for

Business Chances



Economical **Efficient Great Capacity**

SAVING IN LABOR ALONE IN ONE YEAR WILL OFFSET COST TO INSTALL

For Tankage, Blood, Bone, Fertilizer, all Animal and Vegetable Matter. Installed in the largest packing-houses, fertilizer and fish reduction plants in the world.

Send for Catalogue T. B.

American Process Co.

CHICAGO MARKET PRICES

CHICAGO MA	RKET PRICES	Dried Beef Insides
WHOLESALE FRESH MEATS.	Bellies	Dried Beef Outsides @29½ Regular Boiled Hams @31 Skinned Boiled Hams @32
Carcase Beef. Prime native steers	SAUSAGE,	Boiled Calas
Good native steers	Columbia Cloth Bologna	Cooked Rolled Shoulder
Heifers, good	Choice Bologna	Beef rounds, per set
Hind Quarters, choice	Liver, with beef and pork @11½ Tongue @17 Minced Sausage @15½	Beef exports, rounds @20 Beef middles, per set @40 Beef bungs, per plece @15
Beef Cuts. Beef Tenderloins, No. 1	New England Sausage	Beef weasands
Beef Tenderloins, No. 2. @32 Steer Loins, No. 1 @28 Steer Loins, No. 2 @22	Special Compressed Sausage @17½ Berliner Sausage @17½	Hog casings, free of salt
Steer Short Loins, No. 1	Oxford Lean Butts	Hog middles, per set
Cow Loins	Garlic Sausage @15 Country Smoked Sausage @16½ Country Sausage, fresh @18½	Hog bungs, prime
Cow Short Loins	Pork Sausage, bulk or link	Hog stomachs, per piece @ 6 Imported wide sheep casings
Sirloin Butts, No. 3 16 @19 Strip Loins, No. 3 @13 Steer Ribs, No. 1 @18½	Boneless lean butts in casings	Imported medium wide sheep casings Imported medium sheep casings
Steer Ribs, No. 2	Delicatessen Loaf	*Owing to unsettled war conditions reliable sheep casing quotations cannot be given.
Cow Ribs, No. 1	Summer Sausage. Best Summer H. C. (new) @31½ German Salami @28½	FERTILIZERS. Dried blood, per unit
Rolls .13 @14 Steer Rounds, No. 1 @14 Steer Rounds, No. 2 @13	German Salami @28½ Italian Salami (new goods) @30½ Holsteiner @23	Hoof meal, per unit
Steer Rounds, No. 2 @13	Mettwurst	Ground tankage, 11%
Bump Butts	Cervelat, new@31 Sausage in Brine.	Crushed tankage, 9 and 20%3.60 @ 3.65 Ground tankage, 6½ and 30%28.00 @ 30.00 Ground raw bone, per ton28.00 @ 229.00
Steer Chucks, No. 2	Bologna, kitts	Ground raw bone, per ton
Boneless Chucks @ 10½ Steer Plates @ 11½ Medium Plates @ 10½	Pork link, kits	Horns, No. 1, per ton
Medium Plates @10½ Briskets, No. 1. @13 Briskets, No. 2. @12	Polish sausage, kite @ 2.25 Polish sausage, ½s 2.90@11.55 Frankfurts, kits @ 2.15	Hoofs, striped, per ton
Shoulder Clods	Frankfurts, %s@½s 2.90@11.25 Blood sausage, kits. @ 1.80 Blood sausage, %s@½s 2.35@ 9.15	Flat shin bones, 40 lbs. ave., per ton. 65.00@ 70.00 Round shin bones, 38-40 lbs., av. per ton 60.00@ 70.00
Cow Navel Ends @ 9 Fore Shanks @ 7	Liver shusage, kits	Round shin bones, 50-52 lbs., av. per ton 75.00@ 80.00 Long thigh bones, 90-95 lbs., av. per ton.110.00@120.00 Skulls, Jaws and knuckles, per ton 35.00@ 40.00
Hind Shanks @ 6 Hanging Tenderloins @12 Trimmings @ 9½	Liver sausage, 从s@为s	LARD. Prime steam, cash
Beef Offal. Brains, per lb. 6½@ 8	VINEGAR PICKLED GOODS. Pickled Pigs' Feet, in 200-lb. barrels\$12.50	Prime steam, loose @16.10
Hearts 9 @10	Pickled Plain Tripe, in 200-lb, barrels 13,25	Leaf @ 1574 Compound 13½@ 13¾ Neutral lard 18 @ 18½ STEARINES.
Tongues @17 Sweetbreads	Pickled H. C. Tripe, in 200-lb. barrels	Prime oleo12% @13
Fresh Tripe, H. C	CORNED, BOILED AND ROAST BEEF.	Tallow
Livers	Per dos. No. 1, 2 doz. to case\$2.15	Grease, A white
Heavy Carcass, Veal	No. 2, 1 or 2 doz. to case	Oleo oll, extra
Heavy Carcass, Veal 12½@14½ Light Carcass 18 @18½ Good Carcass 19 @20 Good Saddles 20 @22	No. 6, 1 doz. to case	Oleo oll, No. 2.
Heavy Carcass, Veal 12½@14½ Light Carcass 18 @18½ Good Carcass 19 @20 Good Saddles 20 @22 Medium Racks @13 Good Racks 16½@17	No. 6, 1 doz. to case. 14.50 No. 14, ½ dox to case. 41.50 EXTRACT OF BEEF. Per doz. 2-oz. jars. 1 doz in box. \$2.85	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 LInseed, bbls -@- Corn oll, loose 10½@10½ Soya bean oll, loose, f. o. b. Coast 9½@9½
Heavy Carcass, Veal	No. 6, 1 doz. to case. 14.50 No. 14, ½ doz to case. 41.50 EXTRACT OF BEEF. 2-oz. jars, 1 doz in box. \$2.85 4-oz. jars, 1 doz, in box. 5.70 S-oz. jars, ½ doz, in box. 10.75	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 Linseed, bbls — @— Corn oll, loose 10½@10½ Soya bean oll, loose, f. o. b. Coast 9½@ 9½ TALLOWS. Edible 12½@12½ Prime Country 111¾@12
Heavy Carcass 12½@14½ 12½ 14½ 12	No. 6, 1 doz. to case. 14.50 No. 14, ½ doz to case. 41.50 EXTRACT OF BEEF. 2-oz. jars, 1 doz in box. 5.70 8-oz. jars, 1 doz in box. 10.75 16-oz. jars, ½ doz in box. 20.00 BARRELED BEEF AND PORK.	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 Linseed, bbls — @— Corn oll, loose 10½@10½ Soya bean oll, loose, f. o. b. Coast 9½ @ 9½ TALLOWS. Edible 12½@12½ Prime Country 11½@12 Packers' Prime 11½ @12 Packers' No. 1 11½ @11 114 @11 11½ @11
Heavy Carcass 12½@14½ 14½ 14½ 14½ 14½ 14½ 14½ 14½ 160 18 18 18 18 18 18 18 1	No. 6, 1 doz. to case. 14.50 No. 14, 1/2 doz to case. 41.50 EXTRACT OF BEEF. 2-0z. jars, 1 doz in box. 52.85 4-0z. jars, 1 doz. in box. 5.70 8-0z. jars, 1/2 doz. in box. 10.75 16-0z. jars, 1/2 doz. in box. 20.00 BARRELED BEEF AND PORK. Extra Plate Beef, 200-lb. barrels. @29.00 Plate Beef @28.00	Oleo oll, No. 2. 18 @19 Oleo stock 16 @17 Linseed, bbls. — — — — — — — — — — — — — — — — — — —
Heavy Carcass, Veal	No. 6, 1 doz. to case. 14.50 No. 14, ½ doz to case. 41.50 EXTRACT OF BEEF. 2-0z. jars, 1 doz in box. \$2.85 4-0z. jars, 1 doz, in box. 10.75 16-0z. jars, ½ doz, in box. 20.00 BARRELED BEEF AND PORK Extra Plate Beef, 200-lb. barrels. @29.00 Plate Beef @28.00 Prime Mess Beef @28.00 Mess Beef .@—	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 Linseed, bbls — @— Corn oll, loose 10½@10½ Soya bean oll, loose, f. o. b. Coast 9½ @ 9½ TALLOWS. Edible 12½@12½ Prime Country 11½@12 Packers' Prime 11½@12 Packers' No. 1 11½@11½ Packers' No. 2 9½@10½ GREASES. White choice
Heavy Carcass, Veal	No. 6, 1 doz. to case. 14.50 No. 14, ½ doz to case. 41.50 EXTRACT OF BEEF. 2-0z. jars, 1 doz in box. \$2.85 4-0z. jars, 1 doz. in box. 5.70 8-0z. jars, ½ doz. in box. 10.75 16-0z. jars, ½ doz. in box. 20.00 BARRELED BEEF AND PORK Extra Plate Beef, 200-lb. barrels. @29.00 Plate Beef @28.00 Prime Mess Beef @28.00 Mess Beef .@. Rump Butts @23.50 Mess Pork @23.450 Mess Pork @23.450	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 Linseed, bbls. — — — — Corn oil, loose 10½@10½ Soya bean oil, loose, f. o. b. Coast 9½@ 9½ TALLOWS. Edible 12½@12½ Prime Country 11½@12 Packers' Prime 11½@12 Packers' No. 1 11½@11½ Packers' No. 2 9½@10½ GREASES. White, choice 11½@11½ White, "A" 11½@11½ White, "A" 11½@11½ White, "B" 10½@11
Heavy Carcass 12½@14½ Light Carcass 18 @18½ Good Carcass 19 @20 Good Saddles 20 @22 Medium Racks 618½@17 Veal Offal. Brains, each 7 @ 8 Sweetbreads 45 @60 Calf Livers 22 @23 Heads, each 22 @23 Heads, each 22 @23 Lamb S 22 @21 Saddles, Caul Lambs 221½ Saddles, Caul Lambs 221½ Saddles, Caul Lamb 222 B. D. Lamb Force 226 Caul Lamb Force 226 Lamb Fries, per lb 226 Caul Lamb Force 226 Caul Lamb Force	No. 6, 1 doz. to case. 14.50 No. 14, ½ dox to case. 41.50 EXTRACT OF BEEF. 2-0z. jars, 1 doz in box. \$2.85 4-0z. jars, 1 doz. in box. 5.70 8-0z. jars, ½ doz. in box. 10.75 16-0z. jars, ½ doz. in box. 20.00 BARRELED BEEF AND PORK. Extra Plate Beef. 200-lb. barrels. 22.80 Plate Beef 220-lb. barrels. 22.80 Mess Beef -22 Mess Beef -22 Rump Butts 22.50 Mess Pork 23.50 Mess Pork 23.50 Clear Fat Backs 235.50 Family Back Pork 235.50	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 Linseed, bbls. — — — — — — — — — — — — — — — — — — —
Heavy Carcass Veal	No. 6, 1 doz. to case. 14.50 No. 14, 1/2 dox to case. 41.50 EXTRACT OF BEEF. 2-0z. jars, 1 doz in box. \$2.25 4-0z. jars, 1 doz, in box. 10.75 8-0z. jars, 1/2 doz. in box. 20.00 BARRELED BEEF AND PORK. Extra Plate Beef, 200-lb. barrels @228.00 Prime Mess Beef @28.00 Prime Mess Beef @28.00 Beef Hams (220 lbs. to bbl.) -@— Beef Hams (220 lbs. to bbl.) -@— Bump Butts @23.50 Mess Pork @34.50 Clear Fat Backs @35.50 Bean Pork @35.00 Bean Pork (332.00	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 LInseed, bbls. — @— Corn oil, loose 10½@10½ Soya bean oil, loose, f. o. b. Coast. 9½@9½ TALLOWS. Edible 12½@12½ Prime Country 11½@12½ Packers' Prime 11½@12 Packers' No. 1 11½@11½ Packers' No. 2 9½@10½ GREASES. White, choice 11½@11½ White, "A" 11½@11½ White, "B" 10½@11 Bone —@— Crackling 10½@11 House 9½@10 Yellow 10½@11 Brown 9½@10 Glycerine, C. P. 255
Heavy Carcass, Veal	No. 6, 1 doz. to case. 14.50 No. 14, ½ doz to case. 41.50 EXTRACT OF BEEF. 2-0z. jars, 1 doz in box. \$2.85 4-0z. jars, 1 doz. in box. 5.70 S-0z. jars, ½ doz. in box. 10.75 16-0z. jars, ½ doz. in box. 20.00 BARRELED BEEF AND PORK Extra Plate Beef, 200-lb. barrels. @29.00 Plate Beef @28.00 Prime Mess Beef @28.00 Rump Butts @23.50 Reef Hams (220 lbs. to bbl.) @23.50 Clear Fat Backs @335.50 Family Back Pork @33.50 Bean Pork LARD, Pure lard, kettle rendered, per lb., tcs. @18% Pure lard, kettle rendered, per lb., tcs. @18% Pure lard, substitute, ics. @14%	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 LInseed, bbls. —@— Corn oil, loose 10½@10½ Soya bean oil, loose, f. o. b. Coast. 9½@9½ TALLOWS. Edible 12½@12½ Prime Country 11½@12 Packers' Prime 11½@12 Packers' No. 1 11½@11½ Packers' No. 2 9½@10½ GREASES. White, choice 11½@11½ White, "A" 11½@11½ White, "B" 10½@11 Bone —@— Crackling 10½@11 House 9½@10½ Yellow 10½@10½ Brown 9½@10 Glycerine, C. P. @55 Glycerine, dynamite 54 Glycerine, crude soap 38½@40
Heavy Carcass 12 1/2 @ 14 1/2 Light Carcass 18 @ 18 1/2 Good Carcass 19 @ 20 Good Carcass 19 @ 20 Good Saddles 20 @ 22 Medium Racks 61 % @ 13 Good Racks 16 1/2 @ 17 Veal Offal.	No. 6, 1 doz. to case. 14.50	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 LInseed, bbls. — @— Corn oil, loose 10½@10½ Soya bean oil, loose, f. o. b. Coast 9½@ 9½ TALLOWS. Edible 12½@12½ Prime Country 11½@12½ Packers' Prime 11½@11½ Packers' No. 1 11½@11½ Packers' No. 2 9½@10½ GREASES. White, choice 11½@11½ White, "A" 11½@11½ White, "B" 10½@11½ Bone — — Crackling 10½@11½ House 9½@10½ Yellow 10½@10½ Rown 9½@10½ Yellow 10½@10½ Rown 9½@10½ Glycerine, C. P. @55 Glycerine, crude soap 35½@40 Glycerine, candle @42 COTTONSEED OILS.
Heavy Carcass Veal	No. 0, 1 doz. to case. 14.50	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 LInseed, bbls. — @— Corn oil, loose 10½@10½ Soya bean oil, loose, f. o. b. Coast 9½@ 9½ TALLOWS. Edible 12½@12½ Prime Country 11½@12½ Packers' Prime 11½@11½ Packers' No. 1 11½@11½ Packers' No. 2 9½@10½ GREASES. White, choice 11½@11½ White, "A" 11½@11½ White, "B" 10½@11½ White, "B" 10½@11½ White, "B" 10½@11½ Row 9½@10 # Collaboration 9½@10½ Y cell 10½@11½ Row 10½@10½ Row 9½@10½ Row 10½@10½ Row 9½@10½ Row 10½@10½ Row 9½@10½ Glycerine, C. P. @55 Glycerine, crude soap 35½@40 Glycerine, crude soap 35½@4
Heavy Carcass Veal	No. 14, ½ dox to case. 14.50 No. 14, ½ dox to case. 41.50 EXTRACT OF BEEF. 2-0z. jars. 1 doz in box \$2.85 4-0z. jars. 1 doz. in box 5.70 8-0z. jars. ½ doz. in box 10.75 16-0z. jars. ½ doz. in box 20.00 BARRELED BEEF AND PORK Extra Plate Beef. 200-lb. barrels. 229.00 Plate Beef 220-lb. barrels. 229.00 Plate Beef 220-lb. barrels. 229.00 Plate Beef 220-lb. dozen 239.00 Plate Beef 220-lb. dozen 239.00 Rump Butts 239.00 Ress Beef 230-lb. 239.00 Ress Pork 335.50 Ress Pork 335.50 Remlly Back Pork 335.50 Bean Pork 235.00 Bean Pork 235.00 Bean Pork 235.00 Bean Pork 335.00 Bean Pork 436.00 Bean Pork 4	Oleo oll, No. 2 18 @19 Oleo stock 16 @17 LInseed, bbls. — @ — Corn oil, loose 10½@10½ Soya bean oil, loose, f. o. b. Coast 9½@ 9¾ TALLOWS. Edible 12½@12½ Prime Country 11½@12 Packers' Prime 11½@12 Packers' No. 1 11¼@11½ Packers' No. 2 9½@10½ GREASES. White, choice 11½@11½ White, "A" 11½@11½ White, "B" 10½@11½ Bone — — Crackling 10½@11½ House 9½@10½ Yellow 10½@10½ Frown 9½@10 Glycerine, dynamite 54 255 Glycerine, dynamite 54 255 Glycerine, candle 42 2 COTTONSEED OILS P. S. Y. loose 88½@89 P. S. X., soap grade 80 88% Soap stock, loose, reg., 50% r. f. a @ 3½
Heavy Carcass Veal	No. 14, ½ dox to case. 14.50 No. 14, ½ dox to case. 41.50 EXTRACT OF BEEF. Per doz. 2-0z. jars. 1 doz in box. \$2.85 4-0z. jars. 1 doz. in box. 5.70 S-0z. jars. ½ doz. in box. 10.75 16-0z. jars. ½ doz. in box. 20.00 BARELED BEEF AND PORK. Extra Plate Beef. 200-lb. barrels. 22.00 Plate Beef 220.0b. barrels. 22.00 Plate Beef 220.0b. barrels. 22.00 Plate Beef 220.0b. barrels. 23.50 Mess Beef 223.50 Mess Pork 23.50 Rump Butts 23.55 Family Back Pork 23.50 Bean Pork 33.50 LARD. 23.50 Pure lard, kettle rendered, per lb., tcs. 21.84 Lard, substitute, ics. 21.84 Lard compounds 21.85 Cooking oil, per gal., in barrels. 21.60 Barrels, ½c. over tierces, half barrels, ½c. over tierces; tubs and balkers' shortening tubs. 21.60 BUTTERINE. 1 to 6, natural color, solids, f. o. b. Chicago 16	Oleo oll, No. 2
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Retail Section

PRACTICAL TALKS WITH SHOP BUTCHERS

Some Things That Help to Build Up a Successful Business

By a Veteran Retailer.

"Everything seems to go dead wrong today," is an expression frequently heard. And when such a day comes around to Mr. Shop Keeper, and he's a bit of a crank and has a "grouch" on, it's apt to be very costly to him before the day is over.

Naturally the question arises, what has that to do with the shop butcher? Lots, Archibald, lots. The crank or grouch has no place in the business world to-day, no matter what goes wrong with him.

When his customers come to his store with the intention of buying goods and leaving their money with him—thereby showing a preference for his store and passing many others to come to him—they are most assuredly entitled to all the courteous consideration that it is possible to show them. And this is so, even if it were not true that 95 per cent of his business is done with the female of the species, who demand this attention as their right.

The woman who buys 15 cents worth of stew meat is just as important in her own eyes as the boarding house mistress who buys \$15 worth. Everybody demands courtesy as their right, irrespective of how much or how little they buy, and if they do not receive it in one store, they will very quickly go where they will receive it.

Courtesy costs nothing, and is an extremely valuable asset for any store keeper, and he should dispense it freely right and left. When he starts in to do business for the day all outside affairs must be laid aside, If he was up half the night playing pinochle, and is tired or grumpy, or if something has gone wrong at home, he must act as though such things never had been.

If he is not able to completely master himself, he is far better off to take a half day and finish his sleep, or not go behind the counter at all. The average customer, particularly a woman, "senses" something unusual, and if she happens to have a bit of a grouch herself, which frequently happens, the butcher is going to lose a customer right then and there.

Bad Manners Never Build up Trade.

And even if it is not a regular customer, but just a shopper, the same thing holds. It's very bad business to be abrupt to a stranger, for one never knows when she will be a customer, and a mighty good one at that. And there's no telling how many friends she may have who will eventually be customers also, particularly if she happens to be a sort of leader in her set. These women take a great pride in influencing their friends, and that works both ways, meaning that she would be just as quick if not quicker to influence her friends to stay away from a store for the slightest grievance, real or imaginary.

And the harm this can do is very serious indeed. The writer knows of an instance

where the mother, a married daughter, two daughters-in-law and three intimate friends of the family traded with the one butcher for over a year. They were all fairly good customers, averaging about \$10 a week each.

A slight misunderstanding with one of them, where the butcher lost his temper under great provocation, and all seven of these customers left him on the same day. This was a loss of \$70 a week, almost \$300 a month, or \$3,600 a year. And all because the butcher was not diplomatic enough to keep his temper and smile, even though everything did seem to go dead wrong that day.

Where a customer is concerned, any time the butcher is right, he's wrong. Rather paradoxical, but true just the same. One can never tell what's going to happen with a customer or a shopper. Much depends on first impressions, and that goes for both of the above.

And what is of just as much importance is that the employee must also be courteous and cheerful, because much of the prosperity of a business depends on him. It requires good judgment on the proprietor's part in selecting help, and when they are "right" and he is right, and he handles "quality goods," that business will grow by leaps and bounds.

Secret of Success of the Big Stores.

That is what made the big department stores grow, because if they had not improved on the methods of the ordinary store they would never have grown. Almost 99 per cent of their customers are women, and for that reason they demand from their help unfailing courtesy to every person of any age, sex or color who enters their doors. That their methods of doing business must be the right ones is proven without a doubt, because their business grows larger daily.

And what goes for a big department store, goes also for any small business, from a peddler's push cart to a first-class meat market. And not alone does it pay to be courteous and polite to the customers, but also to the employees. It is perfectly natural for them to treat others as they are treated, and the attitude of the head of the establishment is reflected in the demeanor of his help. So when a customer is being served and the employee who is waiting on ner is properly trained, he will be able to suggest, advise and assist her in her marketing.

One Example of Convenience.

Women as a rule appreciate this, if it is done in the proper manner, and the volume of the day's sales can be materially increased. That is why it is good business for a meat shop to have side lines, such as canned goods, butter and eggs, fish, fruits and vegetables.

The customer vastly prefers to do all her marketing under one roof, whenever it is con-

venient to do so, particularly in stormy weather. And any shop, no matter how small, has always sufficient room to keep most of these side lines without additional rent, help, or light, and a most satisfactory profit is derived from them.

In former years it was the exception for the butcher to sell anything but meats. Today side lines are almost universal; which is as it should be, because the sale of these side lines, besides being profitable, bring new trade all the time.

The higher the class of goods, the better the class of trade, and as the purchasing public knows that all foodstuffs are very high, they are perfectly willing to pay the price for the best. The up-to-date shop keeper is wise enough to give them their money's worth. It takes but a short time for an intelligent man to learn the wants of his customers, and gain their respect and confidence; and having once gained it, never to abuse it.

How to Establish a Hold on Trade.

The only way to do that is to handle quality goods, week in and week out, regardless of prices, scarcity, market conditions, weather or anything else. No matter what the customer buys, she knows that she can depend absolutely on its being the best and freshest of its kind, from a piece of suet to a rib roast. And once a clientele of that kind is gained, the business practically runs itself. There is nothing to be gained, and much to be lost, by putting in inferior goods for even one day.

It is a pleasure for the purchaser to enter such a store. Everything is fresh and bright, the men are cheerful and polite, they wear immaculate white gowns and aprons, and a smile that won't come off. They are tactful enough to make every woman who enters believe that she was being waited for when she hears the pleasant "Good morning; what can we do for you to-day?"

The effort to please is so plainly shown, and her order is so promptly delivered to her house, that she is delighted with her butcher and does all she can to bring her friends around also. To her an argument or discussion with her dealer is unknown. She is not urged to take any thing she does not want or need, as is the case so frequently when the unwise butcher may have an oversupply of one article, and be short on another, and he tries te even up things by urging a roast of beef when a leg of lamb is asked for. The right kind of a man does not do that kind of thing. Hence his prosperity.

1. A.

MINNEAPOLIS BUTCHERS ENTERTAIN.

The annual grand ball of the Minneapolis Retail Meat Dealers' Association was held Thursday evening, February 8, at the Elks Hall. The affair was the most successful and enjoyable ever held in the Twin Cities. There were several hundred people present, including all of the prominent butchers of Minneapolis. The officers worked hard and stopped at no expense to insure success. Ar-

rangements were made whereby the celebrated Elks Glee Club, consisting of twentyfive Elks, gave several songs which were heartily enjoyed by those present. The Elks extended the courtesies of the entire club House to those present. Great deal of credit for the success of this affair must be accorded to the officers of the association. G. G. Fageros headed the committee; J. W. Bowen, president; C. A. Gause, vice-president; Elmer Eck, second vice-president; B. H. Dressen, secretary, and Henry Kraft, treasurer. There is no doubt that the success of this ball will have a tendency to bring into the association many a live butcher, who was impressed with the manner in which the affair was handled

LOCAL AND PERSONAL.

John Dasback has purchased W. N. Kendrick's meat and grocery market at 623 Pike avenue, Baring Cross, Ark.

Harry Havey, who recently sold out his business in Presque Isle, Me., will open a fish, meat and grocery market on State street, Presque Isle, with Mr. Fernald as partner.

The meat market at St. Johnsbury, Vt., conducted by Beauregard Bros., has been destroyed by fire.

Frederick M. Stodder, formerly in the provision business, died at his home, 10 Tower street, Sommerville, Mass., from congestion of the lungs.

Mrs. R. C. Jones has sold her meat market in Suffield, Conn., to her son, Paul W. Jones.

Emory J. Schonvisky, a butcher, died at his home, 189 Garfield street, Morrellville, Pa., from a complication of diseases.

Erskine H. Truesdell, in the meat business at Palmer, Mass., for twenty-eight years, has sold out and will retire.

The Retail Butchers' Association of Pittsburgh, Pa., held their annual ball and euchre at the Fort Pitt Hotel Wednesday evening, February 7.

The New California Market, Stockton, Cal., will move to a new location on Hunter street.

The Gratiot Central Market Company, Detroit, Mich., has increased its capital stock from \$75,000 to \$100,000.

A new butcher shop has been opened at Charlotte, Mich., by Pettie & Milks.

Chas. Dorias has closed his meat and grocery establishment in Marquette, Mich., and will not resume business until price conditions settle down.

W. A. Dunham has disposed of his City Meat Market in Beloit, Kas., to Dan A. Nichael.

L. R. Pittser has purchased the City Meat Market, Oswego, Kas., from T. B. Woodford. Ross Brothers have opened their Sanitary Meat Market in Halstead, Kas.

Earl Hamilton has sold his meat market in Baxter, Iowa, to W. H. Walker.

Henry Davis will open a meat market at Dallas, Iowa.

Charles Vanderloo sold his meat market in Dedham, Iowa, to his brother, Arnold Vanderloo.

H. P. Moore's meat market in Stuart, Iowa, has been sold to L. M. Diebold.

A half interest in the East Side Market, Winterset, Iowa, has been sold by L. M. Briggs to T. P. Ware.

Hans Sotrhaug bought a meat business in Motley, Minn.

Charles Herda will open a meat market in Lawton, N. D.

Frank De Noma and C. E. Fields opened a meat market in Monroe, S. D.

Arthur Lambert has purchased the meat market in Fairchild, Wis., formerly conducted by Smith and Shipman.

A meat market will be opened in Greenleaf, Wis., by Joseph Pitch.

Henry Streiff bought the grocery and meat business of Clifford Wisell in Monroe, Wis.

Reinholdt Siltz wili open a grocery and meat market at the corner of Wolff street and Douglas avenue, Racine, Wis.

H. E. Anderson bought the Mullen meat market in Viroqua, Wis.

William Ficke has charge of the meat department of the Compton store, in Blair, Neb.

J. E. Buns is about to begin the erection of a meat market in Titonka, Ia.

W. S. Kesler has purchased the Crescent meat market in Lawton, Okla.

A. G. Westenberger, of the Palace meat market, Vinita, Okla., has purchased the Empire meat market from Ed. Bond and Ben Williams.

Bruce Clark has purchased the City meat market, Alta Vista, Kas., from W. J. Ascher.

Chas. Kaup and Roy Chapman have purchased the butcher shop in Riley, Kas., of P. W. Griffin.

A. B. Carlson bought the grocery and meat business in Williams Bay, Wis., formerly conducted by Leo Host.

Albert Christenson sold his interest in Holdsworth & Company's meat market at New Sharon, Iowa, to A. J. Kiser.

The meat firm of Mehrton & Whitesell have closed their shop at Lincoln, Ill.

John Denbeck, who sold the Wayne Cash Market in Wayne, Neb., has gone to Laurel, Neb., and will engage in the meat business there.

The meat market in Thayer, Neb., conducted by Mr. Grobe, has been closed.

It is reported that a meat market will be opened in Redgranite, Wis., by Ed. Weber.

Ed. Faytinger has purchased the interest of John Becak in the meat market in David City, Neb., conducted by Faytinger Bros. & Becak.

A meat market will be opened in Thayer, Neb., by Joseph Hower and will be managed by George Lockwood.

G. Van Allsburg, proprietor of the Pioneer meat market in Fremont, Mich., has purchased the Central Market from A. T. Pearson, and will conduct both markets.

The Chas. S. Jones Sanitary Market Company, Bangor, Maine, to conduct a wholesale and retail business in fish, groceries, meats and provisions of all kinds, has been incorporated with a capital stock of \$25,000.

Fred Harmon has disposed of his meat market in Pine City, Wash., and is engaging in the grocery business.

Milt Campbell has purchased the Royal grocery and meat market, Washington, Ia.
A. J. Deem has purchased the meat and grocery business in Bucklin, Kas., of the

United Stores.
Curtright & Edson will open a meat market in the old Grobe building, Thayer, Neb.
The grocery and meat market at Buffalo,
Kas., conducted by Wood & Wood, has been

purchased by Brown & Morris.

A meat market has been opened in Buffalo,

Kas., by J. E. Ballard.
S. W. Hopper has purchased a meat market in Rocky, Okla.

The Fortal Meat Company, Portal, N. D., has been dissolved. John Swennumson has sold his interest to Charles Bicker, who will continue the business under the old name.

J. Crone has purchased a meat and grocery market in East Moline. Ill.

market in East Moline, Ill.

Newt Kennedy's meat market in New Cambria, Mo., has been destroyed by fire.

MOBILIZE MEAT TRADE FOR WAR.

(Concluded from page 15.)

navy should you feel that national industrial organization along the lines followed in Europe may become necessary. We are mobilized industrially, and every advantage of organization and equipment is ready for the best interests of our country and its defenders.

THOMAS E. WILSON, President, Wilson & Company.

"Napoleon said, 'An army travels on its belly,'" Mr. Wilson said. "That axiom is as true today as it ever was. No one can discount the vast importance of the services of the entire packing industry, should events so shape themselves as to demand those services.

"The problem of industrial preparedness is solved in this country today. The steel industry was never so thoroughly organized. The same is true of the manufacture of munitions. The commissary departments of the army and navy will find in the packing industry vast organizations—armies in themselves—ready at hand to sustain our forces in the field as no armies or navies have ever before been sustained. The meat-packing and food product industries can be mobilized in this national service without a hitch.

"Not only are they ready to render full service on an hour's notice to the military and naval forces of our country, but to continue serving the civilian population without a break. I venture to say that at no period in the history of any nation has the food question—particularly as it applies to the meat industry—been less of a problem in case of war.

"Naturally, our strongest hopes are for peace. But if war cannot be avoided with honor, and our army and navy must be enormously increased, the President of the United States will find in organizations such as those of the meat packing industry a prompt solution of the difficulties usually confronting army and navy commissary departments in such circumstances.

"Not only do our organizations comprise men who are expert in the preparation of meat food products, but in addition to the packing industries have thousands of men of years of experience in distributing such products speedily to any desired point. The transportation men of the packing industry know how to work quickly in co-operation with railway men. The United States today thus has the largest organization in the world for the preparation and distribution of food products, and I am safe in saying that the packing industry is prepared and ready to answer the utmost demands that can be made upon it.

"This nation has right to demand the best and biggest brains in the industrial field. None of these men are so big that they will not be proud to make every effort to aid their country, whether these efforts are personal or otherwise. That is why I sent my telegram to President Wilson at Washington."

New York Section

Archibald Bunt, of Swift & Company's construction department at Boston, was in New York this week.

Swift & Company's sales of beef in New York City for the week ending February 10 averaged as follows: Domestic beef, 13.84 cents per pound.

Fred A. Hart, president of F. A. Hart & Company, of Chicago, the well-known sausage casings and packers' supplies house, was in New York during the past week calling on his friends in the trade.

The Manhattan Sanitary Inspection Association will hold its annual meeting on Tuesday evening, February 20, to be followed by a beefsteak dinner at Healy's, Columbus avenue and Sixty-sixth street.

The funeral of William Simonson, a rétired butcher of Brooklyn, took place on Sunday last. Mr. Simonson died at the home of his son in Westbury, L. I., on the previous Friday. He was born in the latter town seventy-nine years ago.

Patrick F. Smith died Tuesday at his home, 79 Congress street, Brooklyn. He was born in Brooklyn and was in his forty-third year. He was engaged for twenty-two years in the butcher business in Hicks street under the firm name of Smith & Schneider.

F. B. Gifford, purchasing agent for Armour & Company at Chicago, George A. Venard, of the Armour Fertilizer Works, T. J. McCormick, of the soap works, and Charles A. Davidson, of the soda fountain department, were visitors to Armour headquarters in New York this week.

Dr. J. J. Hayes, chief inspector for the Manhattan Sanitary Inspection Association, and former assistant chief government inspector in New York, has been appointed assistant to Superintendent Turner, of the New York Dressed Meat Company's plant on the West Side.

Arthur F. Gotthold and John E. Kennedy, receivers for the M. Zimmerman Company, sausage manufacturers, of 318 East Houston street and Philadelphia, have been authorized by Judge Manton to continue business for ten days, as a plan of reorganization is under way. Liabilities are \$692,000.

The following is a report of the number of pounds of meat, fish, poultry and game seized and destroyed in the City of New York during the week ending February 10, 1917, by the New York City Department of Health: Meat—Manhattan, 2,607 lbs.; Brooklyn, 18,523 lbs.; Bronx, 4 lbs.; total, 21,134 lbs. Fish—Manhattan, 4,395 lbs.; Brooklyn, 63 lbs.; total, 4,458 lbs. Poultry and Game—Manhattan, 288 lbs.

L. J. Roversi, formerly manager of the hide and by-product department of the New York office of Wilson & Company, and now manager of the Tupman Thurlow Company, Inc., who are the sales representatives in this country for all hides, skins and other by-products shipped from a number of packing houses in South America, Australia, New Zealand, etc., announces the removal from their present address, 52 Broadway, to the Tribune Building, 154 Nassau street, New York City.

The nominating committee of the New York Butter and Egg Exchange has posted the following ticket which will be voted on at the annual election the first Tuesday in April: President, Harry Dowie; vice-presidents, First, William G. Lasher; second, Samuel K. Cohen; third, George Jacknowitz; treasurer, Louis Wisansky; Board of Governors, Alexander Moir, Max Kurtin, William S. Yearick, Samuel Meierfeld, George E. Sammis, Jacob Narzisenfeld, Frank G. Gaffney, Leo O. Spindler, Thomas Seckel, Benjamin Albert.

Karl Fulton Sulzberger, youngest son of the nine children of the late Ferdinand Sulzberger, will receive immediately his one-ninth share of \$1,350,000 left by his father according to a decision just reached in the Supreme Court by Justice Lehman. The youngest son sued through his mother on the ground that certain stock which his father had placed in trust for him had been sold. Under the terms of the trust, he said, he had a right to the proceeds at once. The trustees admitted he had a right to \$150,000, but said his mother ought first to give a bond. Justice Lehman holds that no bond is required.

MEAT SITUATION IN THE U. S.

(Continued from page 17.)

readily determined for the United Kingdom. During the first year, 1890-91, beef was 47 per cent of the total of these three classes of meat, and it rose to 58 per cent three years later, followed by decline to 54.3 per cent of the next year. In the more recent years of the period the percentage is about 55.

The relative position of mutton has declined in the later years of the 18-year period, so that in the latest year it is 22.3 per cent of the total of the three classes of meat, but during no year of the 18 did it go higher than 26.4 per cent, in 1892-93.

The sharp fluctuations of pork as an element of the total meat production indicate the uncertainty of the hog as well as its quick recuperating power. The highest fraction possessed by pork in the total meat production is 28.6 per cent in 1890-91, and the lowest fraction, 16.3 per cent, in 1893-94; but in more recent years the fraction has been about 20 to 25 per cent.

OTHER COUNTRIES.

There are many countries for which meat consumption has been estimated by various

persons, but the details of their estimates are not obtainable. Necessarily they must have estimated the production of meat, and it would be possible to compute from their per capita average consumption the amount of the estimated production, after adding or subtracting the net result of the foreign trade.

In nearly all countries, however, this process would be confined to computing the total meat production without separation into beef, mutton and pork, and would be giving to the estimates more faith than they should receive. Many of them are presumably rough approximations. It is thought best, therefore, to confine the use of these estimates to consumption, their original purpose, and this use will appear on subsequent pages.

(To be continued)

CHICAGO LIVESTOCK MARKETS.

(Continued from page 31.)

condition prevailed, making prices about 15@20c. lower for the two days. On Wednesday, with a lighter run than expected, strength again characterized the trade and the early part of the session prices were 5@10c. higher, but as is often the case, as soon as the Eastern order buyers were filled up, and the market left to the packers, they refused to follow the advance and the market closed about steady. Today's quotations are about as follows: Good to choice butchers, \$12.35@12.50, with an extreme top of \$12.55; bulk of mixed hogs sold from \$12.20@12.35, and inferior mixed \$12@12.15; pigs, \$10@10.75

Up to a late hour Wednesday there was but little doing in sheep and lambs, but indications pointed to a steady to strong market, as compared with the previous session, and it seemed sure that at least 15c. would be paid for prime lambs. The early estimate of receipts daily is several thousand above what arrivals finally prove to be, and it seems impossible to imagine that there will be any bulge in sheep and lamb receipts from now on. Colorado and the Western Nebraska districts furnish a liberal portion of present supplies on all market and feeders from these sections will control the situation to a great extent from now on. We quote: Good to choice lambs, \$14.65@15; fair to medium, \$14@14.50; well wooled shearing lambs, \$13.75@14.25; cull lambs, \$12.013; fall shorn fat lambs, \$13.50@14; fresh shorn, \$12.50@13; good to choice light yearlings, \$13.75@14; medium fleshed and heavy yearlings, \$13.60; good to choice ewes, \$11.25@11.60; poor to medium, \$10@10.75, and culls, \$70.81.

OMAHA LIVESTOCK MARKET.

(Continued from page 31.)

In sheep and lambs the trend of values has been upward notwithstanding fairly liberal receipts, 63,000 last week. Demand from packers has been keen, and there has been plenty of competition from feeder buyers, so that all grades and weights have found a good outlet at the stronger figures. Choice light Mexicans sold at \$14.50@14.60 today, the latter the high price of the year. Western lambs sold at \$14.15@14.30, and clipped lambs are quoted at \$11.50@12.75. Yearlings are bringing \$11.25@13.35, wethers \$9.50@ 11.25, and ewes, \$9.25@11.10.

HEARN West Fourteenth St., New York

NO MEATS GROCERIES BUT IN DRY GOODS AND APPAREL

HIDE AND SKIN MARKETS.

(Concluded from page 30.)

at 22@23c. Middle Southerns at 23c. and Northern Southerns at 231/2@241/2c.

Northern Southerns at 23½@24½c.
CALFSKINS.—The market has shown some activity this week, and a general better tone is noted all around. After weeks of inactivity a sale was made of about 5,000 to 6,000 New York cities 7-9 lbs. at \$4.50 and 9-12 lbs. at \$5. A sale was also noted of about 2,000 5-7 lbs. N. Y. cities at \$3.95. The market is in a firmer condition now than it has been for weeks and collectors report many inquiries. Some large sales of outside skins are reported Some large sales of outside skins are reported made. Some lots of good outside skins are reported offered at \$3.75@4.25. A bid of 25c. under these prices for one lot of skins was

HORSE HIDES .- The market is quiet although some sales have been reported from the west. Western dealers are talking advances, but tanners are not showing any great interest in offerings. Small lots of countries were sold at \$8.50@8.75. One lot of New York State hides sold at \$8.50. About 4,000 French hides which arrived recently have been reported sold.

Similar lots of these hides are nominally quoted at \$11.

DRY HIDES.—The market continues to rule firm, but no great amount of activity is noted. The large sales late last week cleaned up most of the common varieties on spot, exept some Bogotas, etc., which have this week. In common varieties importers re-port many inquiries, and in most quarters they are holding for an advancement of 1c. over sales. Bogotas last sold at 43c. on a basis for mountains. Tumacos at 42½c. and Columbians at 42c. Based on last sales of Bogotas at 43c., Orinocos are held firmly at 43c. Puerto Cabellos at 42½c. and Central Americans at 42c. Dealers generally are closely watching affairs at Washington and if certain plans of the government go through a general stiffening of the market is looked for in some stiffening of the market is looked for in some quarters. There are some holdings of Peruvians on spot and holders are asking 1c. advance over last sales. About 800 dry salted Peruvians 34 lbs. average sold at 33c. A bid of 43½c. for one lot of Salvadors was declined. About 700 Haitiens sold at 30c. flat for filnts and 4c. less for dry salted. Chinas are quiet but firm. Best Hankows 10@24 lbs. are offered around 48@49c. with talk heard in some quarters of higher prices. Cables from the quarters of higher prices. Cables from the River Plate say that the market is firm, but confirmation of some rumored sales is not to be had. Some B. A.'s 30 per cent. twos are offered at 47c. Cordovas 15 per cent. No. 2's are offered at 48c. One lot of B. A. kips 5@6 are offered at 48c. Une lot of B. A. Rips own kilos half hair and up is offered at 55%c. Brazils are slow and very little trading is noted. Last sales of Ceares was at 48c.

WET SALTED HIDES.—Cables from the Argentine state that there is a strong demand for all wasteties of hides from Europe. Frigori.

for all varieties of hides from Europe. Frigori-ficos are reported generally well sold up to March 1 to Europe, with the exception of one of the "Big 3," who is still a free lance. A sale is noted of 9,000 to 10,000 various Mata-

dero steers and cows at 241/2@243/4c. These sides were sold to the United States. About 8,000 to 9,000 Rosarios, as reported in one quarter, sold at 23% c. Six thousands Sansinena cows are reported sold at 37% c. to this country. From 8,000 to 10,000 Armour Friends country. From 8,000 to 10,000 Armour Frigorifico steers sold at 40% c. as figured out in some quarters. Two thousand Tucaman Matadero steers sold at 29% c. Little trading is noted in spot lots. Holders are firm in their views. About 500 Brazils were sold from spot at 25% c. New York re-weights. Mexicans show acres of the sold of show some activity and several small lots of Campos on spot have been moved at prices ranging at 25@26c. About 2,500 Mexico city packers sold at 31c. Cubans are firm and importers report many inquiries for hides on spot. About 1,500 special Havana packer hides sold at 29%c. An offering is noted of 500 Havana place that the state of 2814c. Sixteen hung. 500 Havana slaughter at 281/2c. Sixteen hunord Havana regulars are offered at 26@26½c.
One thousand Matadero Havana hides 40 to 45
lbs. are offered at 26c. About 500 Havana special packers are offered at 29%c.

Boston.

The hide market in Boston continues very quiet. Tanners are not making substantial offers for hides, but talk figures which are considerably below dealers' ideas. On the other hand, dealers feel that they are in a stronger position than they were two weeks ago. Ohio buffs are quoted at 231/2@241/2c., with the same conditions governing prices. The market on Southern hides is quiet. Dealers here have only a few offerings. Northern Southerns all weights, free of ticks, are quoted at 25c., with extremes of the same description at 26c. Ticky hides from the Northern sections of the South are quoted at 231/2@24c. for all weights. Far Southerns quoted from 221/2@23c. Extremes are are quoted from 22½@23c. Extremes are lc. higher. Canadians, 20 and up, are offered at 25c. Tanners say that they are going to wait until shoe manufacturers show more interest before they purchase any more hides.

The general opinion is that things will be quiet until the middle of March.

Very few calfskins are being offered in the Boston market and dealers do not know what price to put upon them. They say that they think the market is around \$3.50 for 5/7's, but they do not know where they could go and sell skins at this price. The calfskin leather market has attracted a little more interest from shoe manufacturers recently, and although few big orders are placed there are several pending, which, if satisfactory terms can be agreed upon, will mean that tanners will have to enter the raw material market. material market.

REFRIGERATING ENGINEERS BUSY.

At the recent meeting of the council of the American Society of Refrigerating Engineers it was decided to establish branch associations of the society in Chicago, New York and St. Louis. George E. Wells, St. Lcuis, Mo., a vice-president of the society, has been delegated to handle the details of the branch in St. Louis, while J. F. Nickerson, Chicago, Ill., a member of the council, has been delegated to handle the details of organization of the branch in Chicago. The members of the council residing in New York City and vicinity will handle the details of organization there

The ideas of the organization of branch associations are to furnish the membership an opportunity for greater co-operation in the work of the society, closer acquaintance among members, greater benefits from membership and the interesting of non-members in the efforts of the society and its branches, with a resulting increase in membership and usefulness. Van R. H. Greene has charge of the establishment of the New York City branch.



DRESSED POULTRY. TURKEYS.

NEW YORK MA

		ARREI PRICES
LIVE CATTLE.		FRESH PORK CUTS.
Steers\$10.0	0@10.90	Fresh pork loins, city
Oxen 6.7	-	Fresh pork loins, Western19
Bulls	-	Frozen pork loins
Cows 4.5	oug 1.15	Fresh pork tenderloins
LIVE CALVES.		Shoulders, city
Live calves, common to choice, per 100	0.015.50	Shoulders, Western
lbs		Butts, regular
Live calves, yearlings		Butts, boneless
Live calves, culls, per 100 lbs		Fresh hams, City
LIVE SHEEP AND LAMBS.		Fresh pienie hams
Live lambs, prime	0@15.65	BONES, HOOFS AND HORNS
Live lambs, yearlings		Round shin bones, avg. 48 to 50 lbs.
Live sheep, ewes 7.0		per 100 pcs
Live sheep, culls	-@-	Flat shin bones, avg. 40 to 45 lbs. per 100 pcs
LIVE HOGS.		Black hoofs, per ton 60.00
Hogs, heavy	@13.00	Striped hoofs, per ton
Hogs, medium	@13.00	White hoofs, per ton
Pigs	@12.50	100 pcs
Roughs	@11.50	Horns, avg. 71/2 oz. and over, No. 1's140.00
		Horns, avg. 7½ oz. and over, No. 2's Horns, avg. 7½ oz. and over, No. 3's
DRESSED BEEF. CITY DRESSED.		
Choice native heavy	@161/2	BUTCHERS' SUNDRIES. Fresh steer tongues, L. C. trim'd. @20c.
Choice native light	1/2@16	Fresh steer tongues, L. C, trim'd. @20c. Fresh steer tongues, untrimmed @16c.
Native, common to fair14		Fresh cow tongues
WESTERN DRESSED BEEF.		Calves' heads, scalded@65c.
Choice native heavy		Sweetbreads, veal
Choice native light		Sweetbreads, beef25 @30c. Calves' livers
Choice Western, heavy		Beef kidneys
Choice Western, light	@141/2	Mutton kidneys
Common to fair Texas		Livers, beef
Good to choice heifers	%@14 @13	Oxtails 11 @13c. Hearts, beef 9½@10c. Rolls, beef 18 @20c.
Choice cows12	43	Tenderloin, beef, Western30 @35c.
Common to fair cows	@121/2	Lambs' fries
Fleshy Bologna bulis	@131/2	Blade meat @17c.
BEEF CUTS.		BUTCHERS' FAT.
Western.	City.	Ordinary shop fat
	@21 @19	Shop bones, per cwt
No. 3 ribs	@17	SAUSAGE CASINGS.
No. 1 loins	@22	Sheep, imp., wide, per bundle
No. 2 loins	@20	Sheep, imp., medium wide, per bundle Sheep, imp., medium, per bundle
	@18 14@19	Sheep, imp., narrow, per bundle
	@18	Hog, free of salt, tcs. or bbls., per lb., f. o. b. New York
No. 3 hinds and ribs @16 15	14@1614	Hog, extra narrow, selected, per lb Hog, middles
No. 1 rounds	@15	Beef rounds, domestic, per set, f. o. b. New
No. 2 rounds	@14	York Beef rounds, export, per set, f. o. b. New
No. 1 chucks	@151/2	York Beef bungs, plece, f. o. b. New York
No. 2 chucks @131/2	@141/2	Roof middles new set f o h New York
No. 3 chucks121/2@13	@131/2	Beef weasands, No. 1s, each
DRESSED CALVES.	000	Beef bladders, small, per doz
Veals, city dressed, good to prime, per lb.21 Veals, country dressed, per lb19	@22	*Owing to unsettled war conditions reliab
Western calves, choice	@21	casing quotations cannot be given.
Western calves, fair to good	@17	SPICES. Whole,
Grassers and buttermilks	@13	Pepper, Sing., white 24
DRESSED HOGS.	010	Pepper, Sing., black
Hogs, heavy	@16 @16¼	Pepper, red
Hogs, 160 lbs	@16%	Cinnamon 21
Hogs, 140 lbs	@16%	Coriander
Pigs	@171/8	Ginger 18
DRESSED SHEEP AND LAMBS		Mace 60
Spring lambs, choice	@20	CURING MATERIALS. Refined saltpetre, granulated
Lambs, choice	@ 181/2	Refined saltpetre, crystals
Lambs, good	@171/2	Refined nitrate of soda, f. o. b. N. Y
Lambs, medium to good	@16½ @17	GREEN CALFSKINS. No. 1 skins
	@15	No. 2 skins
Sheep, medium to good	@13	No. 3 skins
		Ticky skins
Sheep, culls		No 1 R W skins
Sheep, cuils PROVISIONS. (Jobbing Trade.)	6.04	No. 2 B. M. skins
Sheep, culls PROVISIONS. (Jobbing Trade.) Smoked hams, 10 lbs. avg	@21	No. 2 B. M. skins No. 1, 12½-14
Sheep, culls PROVISIONS. (Jobbing Trade.) Smoked hams, 10 lbs. avg Smoked hams, 12 to 14 lbs. avg	@21 @21 @21	No. 2 B. M. skins. No. 1, 12½-14. No. 2, 12½-14. No. 1 B. M. 12½-14.
Sheep, culls PROVISIONS. (Jobbing Trade.) Smoked hams, 10 lbs. avg Smoked hams, 12 to 14 lbs. avg	@21	No. 2 B. M. skins. No. 1, 12½-14. No. 2, 12½-14. No. 1 B. M. 12½-14.
PROVISIONS. (Jobbing Trade.) Smoked hams, 10 lbs. avg Smoked hams, 12 to 14 lbs. avg Smoked hams, 14 to 16 lbs. avg Smoked picnics, light Smoked picnics, heavy	@21 @21 @161/2 @16	No. 2 B. M. skins. No. 1, 12½-14. No. 2, 12½-14. No. 1 B. M., 12½-14. No. 2 B, M., 12½-14. No. 1 klps, 14-18. No. 2 klps, 14-18.
Sheep, culls PROVISIONS. (Jobbing Trade.) Smoked hams, 10 lbs. avg. Smoked hams, 12 to 14 lbs. avg. Smoked hams, 14 to 16 lbs. avg. Smoked pienies, light Smoked pienies, heavy Smoked shoulders	@21 @21 @16½ @16	No. 2 B. M. skins. No. 1, 12½-14. No. 2, 12½-14. No. 1 B. M. 12½-14. No. 2 B. M12½-14. No. 1 klps, 14-18. No. 2 klps. 14-18. No. 2 klps. 14-18. No. 1 B. M. klps, 14-18. No. 1 B. M. klps, 14-18.
Sheep, culls PROVISIONS. (Jobbing Trade.) Smoked hams, 10 lbs. avg. Smoked hams, 12 to 14 lbs. avg. Smoked hama, 14 to 16 lbs. avg. Smoked picnics, light Smoked picnics, heavy Smoked shoulders Smoked beef tongue, per lb.	@21 @21 @16½ @16 @16 @27	No. 2 B. M. skins. No. 1, 12½-14. No. 2, 12½-14. No. 1 B. M., 12½-14. No. 2 B. M., 12½-14. No. 1 klps, 14-18. No. 2 klps, 14-18. No. 1 B. M. kips, 14-18. No. 2 B. M. kips, 14-18. No. 0 No. 1 klps, 14-18. No. 1 No. 2 No. 1
(Jobbing Trade.) Smoked hams, 10 lbs. avg Smoked hams, 12 to 14 lbs. avg Smoked hams, 14 to 16 lbs. avg Smoked picnics, light Smoked picnics, heavy Smoked shoulders	@21 @21 @16½ @16	No. 2 B. M. skins. No. 1, 12½-14. No. 2, 12½-14. No. 1 B. M., 12½-14. No. 1 B. M., 12½-14. No. 1 klps, 14-18. No. 2 klps, 14-18. No. 1 B. M. klps, 14-18. No. 2 B. M. klps, 14-18. No. 2 b. M. klps. No. 2 b. M. klps. No. 2 b. M. klps. No. 2 heavy klps, 18 and over. No. 2 heavy klps, 18 and over. No. 2 branded klps
Sheep, culls PROVISIONS. (Jobbing Trade.) Smoked hams, 10 lbs. avg. Smoked hams, 12 to 14 lbs. avg. Smoked hams, 14 to 16 lbs. avg. Smoked picnics, light Smoked picnics, heavy Smoked shoulders Smoked beef tongue, per lb. Smoked bacon (rlb in)	@21 @21 @16½ @16 @16 @27 @20	No. 2 B. M. skins. No. 1, 12½-14. No. 2, 12½-14. No. 1 B. M. 12½-14. No. 2 B. M. 12½-14. No. 1 klps, 14-18. No. 1 klps, 14-18. No. 1 B. M. klps, 18 and over. No. 2 b. M. klps, 18 and over.

RKET PRICES		DRESSEI
FRESH PORK CUTS.		Dry-packed, 12 to box-
		Young toms, dry-picked
Fresh pork loins, city		Young hens, dry-picked, Young hens and toms
Fresh pork loins, Western		fancy
Fresh pork tenderloins		Young hens and toms
Frozen pork tenderloins		fair to good
Shoulders, city	. @19	Young hens and toms
Shoulders, Western	. @17	common
Butts, regular		Old hens
Butts, boneless		Old toms
Fresh hams, city	. @24	CHI
Fresh hams, Western	. @21	Fresh, dry-packed, 12 to
Fresh picnic hams		Western, milk fed, 18 t
BONES, HOOFS AND HORI	NS.	Western, milk fed, 26
Round shin bones, avg. 48 to 50 lbs.	0000 0100	Western, milk fed, 31
per 100 pcs	00.68 9000.3	Western, corn fed, 18 to
100 pcs	2.50@ 75.00	Western, corn fed, 26
Black hoofs, per ton 60	0.00@ 62.50	Western, corn fed, 31 t
Striped hoofs, per ton 60		Fresh soft-meated, barrel
White hoofs, per ton 72	2.50@ 75.00	Phila. and L. I., fancy Philadelphia, 10 to 12
Thigh bones, avg. 85 to 90 lbs. per	Ø140.00	Western, dry-pkd., 5 to
100 pcs	@140.00	Western, dry-pkd., 5 to Western, corn fed, 8
Horns, avg. 74 oz. and over, No. 1's140	@ 75.00	pair
Horns, avg. 7½ oz. and over, No. 2's	@ 50.00	Capons— Philadelphia, fancy, 9
	3 00.00	Philadelphia, fancy, 9 Philadelphia, fancy, 7 Philadelphia, small and
BUTCHERS' SUNDRIES.		Philadelphia, small and Western, fancy, 8 lbs.
Fresh steer tongues, L. C. trim'd. @20c Fresh steer tongues, untrimmed @16c		Western, fancy, 8 lbs. Western, fancy, 6 to 7 Western, small and sli
	a pound	Western, small and sli
	a pound	Fowls-12 to box, dry-par Western, boxes, 60 lbs.
Sweetbreads, veal40 @85c		dev-picked
Sweetbreads, beef25 @30c		Western, boxes, 48 to 5
	. a pound	Western, boxes, 48 to 5 Picked Western, boxes, 48 to 4
Beef kidneys	a pound	western, boxes, 36 to 4
Mutton kidneys		Dicked
Livers, beef	a pound apiece	Western, boxes, 30 to 3
Notalis 11 @13c Hearts, beef 9½ @10c Rolls, beef 18 @20c Tenderloin, beef, Western 30 @35c	a pound	Western, boxes under 3
Rolls, beef	a pound	Fowl_Barrels tend_
		Western, boxes, 5 lbs. Western, boxes, 4 to 43 Old Cocks, per lb Southern and S.W., lar
Extra lean pork trimmings @20c		Old Cooks per lb
Blade meat@17c	a pound	Southern and S.W., lar
BUTCHERS' FAT.		Other Poultry-
Ordinary shop fat	@ 5½ @ 8¼	Squabs, prime, white,
Shop bones, per cwt	.25 @35	per doz
		Ducks and Geese-Frozen-
SAUSAGE CASINGS.		Ducks, Long Island Ducks, wn., fancy
Sheep, imp., wide, per bundle Sheep, imp., medium wide, per bundle		Ducks, wn., fancy Ducks, wn., No. 2
Sheep, Imp., medium wide, per bundle Sheep, imp., medium, per bundle Sheep, imp., marrow, per bundle Hog, free of salt, tcs. or bbls., per lb., f o. b, New York		Geese, western, fancy. Geese, western, fancy,
Sheep, imp., narrow, per bundle		Georg Western, rang,
o. b. New York	. @70	LIVE F
Hog, middles Beef rounds, domestic, per set, f. o. b. New	7	Chickens
York Beef rounds, export, per set, f. o. b. New	· (EE 1.3)	Fowls, average
York	. @20	Turkeys
York Beef bungs, plece, f. o. b. New York Beef middles, per set, f. o. b. New York.	. @15	Geese
Beef weasands. No. 1s. each	. @40	BU
Beef weasands, No. 1s, each Beef weasands, No. 2s, each	. @ 4	
Beef bladders, small, per doz	@80	Creamery, extra (92 score
*Owing to unsettled war conditions reli	lable sheep	Creamery, higher (scoring Creamery, Firsts
casing quotations cannot be given.		Process, extras
SPICES.		Frocess, Firsts
Penner Sing, white 24	Ground.	E
Pepper, Sing., black	25	Fresh gathered, extras
Pepper, Penang, white 24	26	Fresh gathered, extra first
Pepper, red	23	Fresh gathered, firsts Fresh gathered, seconds
Cinnamon 21	25	Fresh dirties, No. 1 Fresh chex, prime to che
Coriander	19 25	Fresh chex, prime to che
Ginger 18	21	PEDTII 17P
Mace 60	64	FERTILIZE
CURING MATERIALS.		BASIS NEW Y
Refined saltpetre, granulated	. @31 . @35	ton
Refined saltpetre, crystals	. @ 5	Bone meal, raw, per ton
CDEEN CALECUING		Dried blood, high grade.

@ .50
@ .48
@ .48
@ .43
@ .43
@ .43
@ .52
@ .50
@ .55
@ .57
@ .55
@ .50
@ .55
@ .57
@ .57
@ .57
@ .57
@ .57

D	
Dry-packed, 12 to box-	
Young toms, dry-picked, fancy	@33
Young hens, dry-picked, faucy Young hens and toms, mixed, dry-pkd.,	@33
fancy	@33
Young hens and toms, mixed, dry-pkd.,	
	@31
Young hens and toms, mixed, dry-pkd.,	
	@25
Old hens	@31
Old toms	@31
CHICKENS.	
Fresh, dry-packed, 12 to box-	
Western, milk fed, 18 to 24 lbs. to dos	@29
Western, milk fed, 26 to 30 lbs. to doz26	@27
Western, milk fed, 31 to 36 lbs., to dos	@25
Western, corn fed, 18 to 24 lbs. to doz26	@27
Western, corn fed, 26 to 30 lbs. to doz24 Western, corn fed, 31 to 36 lbs. to doz	@25
	@23
Fresh soft-meated, barrels—	0.50
Phila. and L. I., fancy broilers, per lb45 Philadelphia, 10 to 12 lbs., to pair30 Western, dry-pkd., 5 to 6 lbs. to pair Western, corn fed, 8 and over lbs. to	@50 @32
Western, dry-pkd., 5 to 6 lbs. to pair	@23
pair24	@25
Capons-	000
Philadelphia, fancy, 9 lbs. and over each.37 Philadelphia, fancy, 7 lbs. each35 Philadelphia, small and slips30	@38
Philadelphia, small and slips30	@36 @32
Western, fancy, 8 lbs. and over each	@32
Western, fancy, 8 lbs. and over each	@31 @26
Fowls-12 to box, dry-packed-	940
Fowls—12 to box, dry-packed— Western, boxes, 60 lbs. and over to dos.,	
Western, boxes, 48 to 55 lbs. to dos., dry-	@24
Picked	2@24
Western, boxes, 43 to 47 lbs. to dos., dry-	@221/2
western, boxes, 36 to 42 lbs. to dos., dry-	(42273
picked	@211/
picked	@1914
picked	@19
Fowl—Barrels, iced—	@22
Western, boxes, 5 lbs. and over	4@23
Old Cocks, per lb	6@17
Other Poultry—	
Squabs, prime, white, 10 lbs, to doz.,	
per doz. Guineas, spring, 3 to 4 ibs., to pair 1.2 Ducks and Geese—Frozen—	@5.75
Ducks and Coose Frozen	.001.00
	@25
	@25 @24
	@25 @24 @21 @21
Ducks, Long Island 23 Ducks, wn, fancy 23 Ducks, wn, No. 2 18 Geese, western, fancy 20 Geese, western, fancy, No. 2 16	@25 @24 @21
Ducks, Long Island 23 Ducks, wn, fancy 23 Ducks, wn, No. 2 18 Geene, western, fancy 20 Geese, western, fancy, No 2 16	@25 @24 @21 @21
Ducks, Long Island 23 Ducks, wn, fancy 23 Ducks, wn, fancy 18 Geese, western, fancy 20 Geese, western, fancy, No 2 16 LIVE POULTRY.	@25 @24 @21 @21 @19
Ducks, Long Island 23 Ducks, wn, fancy 23 Ducks, wn, fancy 18 Geese, western, fancy 20 Geese, western, fancy, No 2 16 LIVE POULTRY. Chickens 10	@25 @24 @21 @21 @19
Ducks, Long Island 23 Ducks, wn, fancy 23 Ducks, wn, fancy 18 Geene, western, fancy 20 Geese, western, fancy, No 16 LIVE POULTRY. Chickens Fowls, average Roosters, old	@25 @24 @21 @21 @19
Ducks, Long Island 23	@25 @24 @21 @21 @19
Ducks, Long Island Ducks, wn. fnncy 23	@25 @24 @21 @21 @19
Ducks, Long Island Ducks, wn, fancy 23	@25 @24 @21 @21 @19 @22 @23 @15 ½ @
Ducks, Long Island 23	@25 @24 @21 @21 @19 @22 @23 @25 #24 -@
Ducks, Long Island 23	@25 @24 @21 @21 @19 @22 @23 @25 #24 -@
Ducks, Long Island Ducks, wn, fancy 23 Ducks, wn, fancy 23 Ducks, wn, No, 2 18 Geene, western, fancy 20 Geese, western, fancy No 2 16 LIVE POULTRY. Chickens Fowls, average Roosters, old Turkeys ————————————————————————————————————	@25 @24 @21 @21 @19 @22 @23 @15½ -@-
Ducks, Long Island Ducks, wn, fancy	@25 @24 @21 @21 @19 @22 @23 @23 @35 4 ———————————————————————————————————
Ducks, Long Island Ducks, wn, fancy 23	@25 @24 @21 @21 @19 @22 @23 @23 @35 4 ———————————————————————————————————
Ducks, Long Island Ducks, wn, fancy	@25 @24 @21 @21 @19 @22 @23 @154 @
Ducks, Long Island Ducks, wn, fancy	@25 @24 @21 @21 @19 @22 @23 @154 @
Ducks, Long Island Ducks, wn, fancy	@25 @24 @21 @21 @19 @22 @23 @154 @
Ducks, Long Island Ducks, wn, fancy 23	@25 @24 @21 @21 @21 @21 @21 @21 @21 @22 @23 @15½ ————————————————————————————————————
Ducks, Long Island Ducks, wn, fancy 23	@25 @24 @21 @21 @21 @21 @21 @21 @22 @22 @22 @25 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2
Ducks, Long Island Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @22 @23 @15½ ————————————————————————————————————
Ducks, Long Island Ducks, wn, fancy 23	@25 @24 @21 @21 @21 @21 @21 @21 @22 @22 @22 @25 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2
Ducks, Long Island 23	@25 @24 @21 @21 @21 @21 @21 @21 @22 @22 @22 @25 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2 &2
Ducks, Long Island Ducks, wn, fancy	@25
Ducks, Long Island Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @22 @23 @35 \\
Ducks, Long Island	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @22 @23 @25 %2 @25 @25 @25 @25 @25 @25 @25 @25 @25 @2
Ducks, Long Island. Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @22 @22 @22
Ducks, Long Island Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @22 @23 @25 %2 @25 @25 @25 @25 @25 @25 @25 @25 @25 @2
Ducks, Long Island Ducks, wn, fancy 23	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @22 @23 @25 @25 @25 @25 @25 @25 @25 @25 @25 @25
Ducks, Long Island Ducks, wn, fancy 23	@22 @23 @19 @22 @23 @15 ½ — @— — @45 % @44 % @33 % @47 @44 % — @— — @41 % @35 % @41 % @41 % — @— — @41 % @41
Ducks, Long Island Ducks, wn, fancy 23 Ducks, wn, fancy 22 Ducks, wn, fancy 22 Ducks, wn, No. 2 18 Geene, western, fancy 20 Geese, western, fancy No. 2 16 LIVE POULTRY. Chickens Fowls, average Roosters, old Turkeys Geese Ducks Ducks Ducks Ducks BUTTER. Creamery, extra (92 score) 45 Creamery, higher (scoring lots) 45 Creamery, higher (scoring lots) 45 Creamery, Firsts 33 Frocess, extras 34 Process, Firsta 32 EGGS. Fresh gathered, extras 46 Fresh gathered, extras 46 Fresh gathered, extras 45 Fresh gathered, extras 45 Fresh gathered, extras 45 Fresh dirties, No. 1 1 Fresh chex, prime to choice Ducks 1 BASIS NEW YORK DELIVERY, Ducks Ducks Ducks 1 Ducks Ducks Ducks Ducks 1 Ducks Duc	@25 @24 @21 @21 @21 @21 @21 @21 @21 @22 @22 @22
Ducks, Long Island Ducks, wn, fancy 23 Ducks, wn, fancy 22 Ducks, wn, fancy 22 Ducks, wn, No. 2 18 Geene, western, fancy 20 Geese, western, fancy No. 2 16 LIVE POULTRY. Chickens Fowls, average Roosters, old Turkeys Geese Ducks Ducks Ducks Ducks BUTTER. Creamery, extra (92 score) 45 Creamery, higher (scoring lots) 45 Creamery, higher (scoring lots) 45 Creamery, Firsts 33 Frocess, extras 34 Process, Firsta 32 EGGS. Fresh gathered, extras 46 Fresh gathered, extras 46 Fresh gathered, extras 45 Fresh gathered, extras 45 Fresh gathered, extras 45 Fresh dirties, No. 1 1 Fresh chex, prime to choice Ducks 1 BASIS NEW YORK DELIVERY, Ducks Ducks Ducks 1 Ducks Ducks Ducks Ducks 1 Ducks Duc	@22 @23 @19 @22 @23 @15 ½ — @— — @45 % @44 % @33 % @47 @44 % — @— — @41 % @35 % @41 % @41 % — @— — @41 % @41
Ducks, Long Island. Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @22 @22
Ducks, Long Island. Ducks, wn., fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @22 @22
Ducks, Long Island. Ducks, wn., fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @22 @22
Ducks, Long Island. Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @21
Ducks, Long Island. Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @21
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Ducks, Long Island. Ducks, wn, fancy	@25 @24 @21 @21 @21 @21 @21 @21 @21 @21 @21 @22 @22
Ducks, Long Island Ducks, wn, fancy 23 Ducks, wn, fancy 20 Geese, western, fancy 20 Geese, western, fancy 20 Geese, western, fancy 20 Geese, western, fancy No 2 16 LIVE POULTRY. Chickens Fowls, average Roosters, old Turkeys Geese Ducks BUTTER. Creamery, extra (92 score) (72 creamery, higher (scoring lots) 45 Creamery, Firsts 38 Process, extras 34 Process, Firsts 34 Process, Firsts 45 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 45 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 9 Fresh gathered, average 9 Fresh gathered, average 9 EGGS. FERTILIZER MARKETS. BASIS NEW YORK DELIVERY. Due meail, steamed, 3 and 50, per 100 Died blood, high grade 9 Nitrate of soda—spot 9 Bone meail, raw, per ton 9 Bone meail, raw, per ton 9 Ground tankage, N. Y., 9 to 12 per 10 Centre ammonia 13@14% ammonia and about 10% B. Phos- Lime 9 Wet, acidulated, 7 p. c. ammonia per 100 lbs. guar, 25% Sulphate ammonia, for shipment, per 100 lbs. spot	@22
Ducks, Long Island Ducks, wn, fancy 23 Ducks, wn, fancy 20 Geese, western, fancy 20 Geese, western, fancy 20 Geese, western, fancy 20 Geese, western, fancy No 2 16 LIVE POULTRY. Chickens Fowls, average Roosters, old Turkeys Geese Ducks BUTTER. Creamery, extra (92 score) 45 Creamery, higher (scoring lots) 45 Creamery, Firsts 38 Process, Firsts 38 Frocess, Firsts 38 Frocess, Firsts 45 Fresh gathered, extra firsts 57 Fresh gathered, extra firsts 67 Fresh gathered, extra firsts 75 Fresh gathered, extra firsts 67 Fresh gathered, seconds 42 Fresh drives, No 1. Fresh chex, prime to choice 67 FERTILIZER MARKETS. BASIS NEW YORK DELIVERY. Due meal, steamed, 3 and 50, per ton 68 Bone meal, raw, per ton 68 Bone meal, raw, per ton 68 Bone black, discard, sugar house del. New York 68 Bone black, discard, sugar house del. New York 70 Fresh gathered 68 Bone phosphate, de- livered, Baltimore 69 Foreign fish guano, testing 136214% ammonia and about 10% B. Phos- Lime 68 Wet, acidulated, 7 p. c. ammonia per ton f. o. b. factory (35c. per unit available phos. acid) 68 Sulphate ammonia, for shipment, per 100 lbs. guar, 25% Sulphate ammonia, per 100 lbs. spot	@22
Ducks, Long Island Ducks, wn, fancy 23 Ducks, wn, fancy 20 Geese, western, fancy 20 Geese, western, fancy 20 Geese, western, fancy 20 Geese, western, fancy No 2 16 LIVE POULTRY. Chickens Fowls, average Roosters, old Turkeys Geese Ducks BUTTER. Creamery, extra (92 score) (72 creamery, higher (scoring lots) 45 Creamery, Firsts 38 Process, extras 34 Process, Firsts 34 Process, Firsts 45 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 45 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 7 Fresh gathered, extra firsts 9 Fresh gathered, average 9 Fresh gathered, average 9 EGGS. FERTILIZER MARKETS. BASIS NEW YORK DELIVERY. Due meail, steamed, 3 and 50, per 100 Died blood, high grade 9 Nitrate of soda—spot 9 Bone meail, raw, per ton 9 Bone meail, raw, per ton 9 Ground tankage, N. Y., 9 to 12 per 10 Centre ammonia 13@14% ammonia and about 10% B. Phos- Lime 9 Wet, acidulated, 7 p. c. ammonia per 100 lbs. guar, 25% Sulphate ammonia, for shipment, per 100 lbs. spot	@22

